

GPMD1005 Automatic Grease Dispenser

With Bleed Valve and
Port for Pressure Sensor

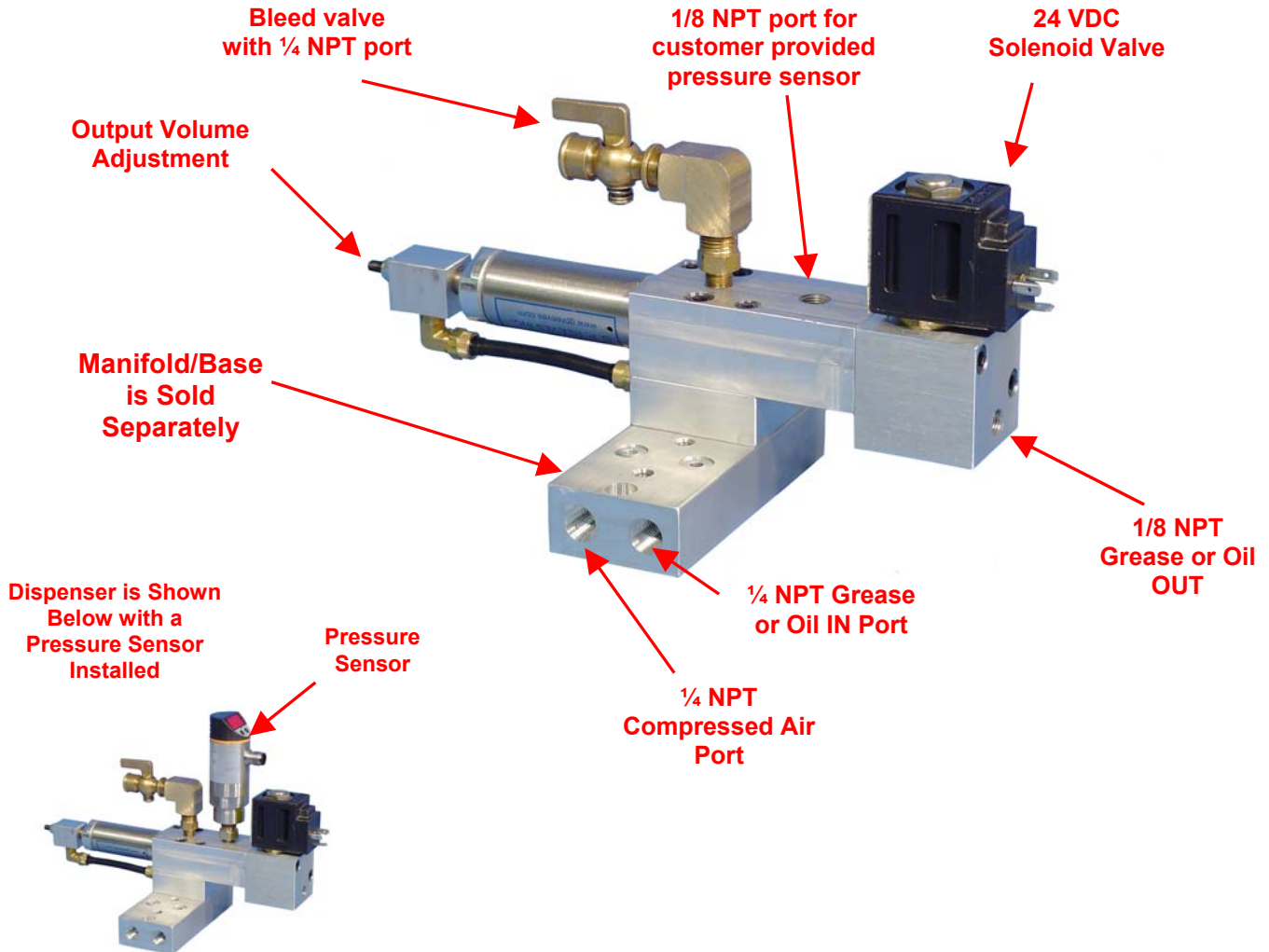
RELIABLE

PLC COMPATIBLE

CLEAN

Air-operated single-acting metered shot dispenser

- Accurate repetitive dispensing of .13 to 1.25 cubic centimeter shots
- Dispenses up to 40 shots per minute at maximum shot size
- Dispenses up to 120 shots per minute at minimum shot size
- Change shot size quickly and easily
- Functions with almost any grease or oil
- Solenoid Operated Output check valve prevents dripping
- Installs on standard measuring dispenser base
- Operates with low pressure grease



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RELIABLE AND SIMPLE	CLEAN AND ECONOMICAL
The GPMD1005 grease dispenser uses a positive displacement air-operated pump, inlet check valve, outlet solenoid valve, and a simple stroke adjustment mechanism to accurately deliver measured shots of grease or oil. The solenoid valve allows a PLC to control the dispense based on inputs from a customer provided pressure sensor.	The GPMD1005 will function with low-pressure oil or grease. 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.

MANIFOLD / BASE MOUNTABLE
The GPMD1005 grease dispensers can be installed on G. P. Reeves MD series measuring dispenser manifolds or bases and can be installed or replaced without disturbing the grease or air supply plumbing. One GPMD can be installed on each manifold or base station. The GPMD1005 grease dispensers can replace smaller volume grease dispensers such as the KA1453, KA1453N and similar dispensers with brass bodies. The 1.25 cc maximum output volume of the GPMD1005 grease dispenser is 19 times that of the KA1453 or KA1453N measuring dispenser.

GPMD1005 SPECIFICATIONS			
Material Dispensed	Lubricating oil and grease compatible with neoprene seals and with a viscosity between 30 and 1,000,000 centipoise	Adjustment Mechanism	Includes locking nut and has twenty complete revolutions between maximum and minimum
Shot Volume	.004 to .0767 cubic inch (.07 to 1.25 cc)	Material Inlet Pressure	150 p.s.i. maximum recommended 40 p.s.i. minimum
Boost Ratio	9 to 1, - 50 p.s.i. air pressure = 450 p.s.i. material output pressure	Material Inlet and air ports	Designed for G. P. Reeves MD manifold or base
Air Valve Size and Function	3-way normally closed with 1/8 or 1/4 NPT ports	Voltage	24 VDC
Minimum air pressure	40 p.s.i.	Material Outlet Port	1/8 NPT female
Ambient Temperature	50 to 120° F.	Dimensions	See Drawing KA5454
Manifold or Base	Any G. P. Reeves MDM1000 series	Shipping Weight	3.5 lb. (1.36 Kg.)

INTENDED USE
Designed for use with optional pressure sensor that outputs to a PLC. When set point #1 pressure is reached, PLC energizes solenoid to allow grease to be dispensed and de-energizes solenoid after dispense. Set point pressure will not occur if there is no grease or if grease contains unacceptable volumes of air. Bleed valve can be used to discard contaminated grease.

OPTIONS
#3596 cord, yellow, 5 meter long with Hirshman Connector and LED (for use with the solenoid valve).
#3594 pressure sensor with DC – dual switching output, numeric display, ¼ NPT port, 4 – 400 p.s.i. set point range, and DC four pin male micro connector.
#1850 cord, 5 meter long with DC (4 pin) Micro connector (for use with the pressure sensor).

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