



Badger Meter

Pistol Grip Series

Models PG, PGB and AF Lubricant and Gear Lube Meters

DESCRIPTION

The Models PG, PGB and AF meters are designed specifically for servicing automobiles, trucks, buses, construction equipment, and similar applications.

Their perfect balance, lightweight, ruggedness, and comfortable grip make them the best choice for use on overhead hose reels. They can handle a variety of petroleum products, such as automatic transmission fluid, SAE 5...50 motor oils, SAE 80...240 gear oils, and antifreeze fluid (ethylene glycol).

Cast aluminum housings are coated with an oven-baked epoxy finish to resist scratches. A high impact resistant nylon shroud protects the knob and dial from damage. Dials are available in a variety of English and Metric units of measure. Inventory control is easily maintained with the non-resettable totalizing register.

OPERATION

After all entrapped air and foreign particles are removed from the supply line, clean oil continuously passes through the metering chamber by entering the inlet port, displacing the piston, and exiting the outlet port. Each oscillation of the piston equates to a given amount of fluid. Controlled clearances between the piston and chamber wall minimize leakage.

As the piston oscillates, its center hub rotates the output shaft through a gear train. A pointer knob affixed to the output shaft rotates around a graduated dial, indicating the amount dispensed. On the standard model PG, the knob is reset counterclockwise to zero after delivery. However, on the preset batch model PGB, the knob is turned counterclockwise to the desired value, the trigger is pressed and locked in the ON position. The pointer knob rotates clockwise toward zero, releasing the trigger latch, which automatically stops the flow.



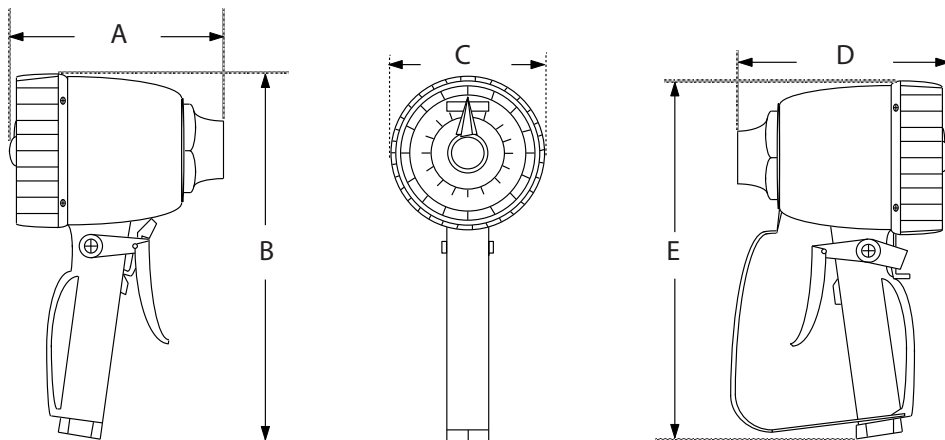
SPECIFICATIONS

| | | |
|--|--------------------------|----------------------------|
| Maximum Flow* | | 4 gpm (15 lpm) |
| Minimum Flow* | | 0.4 gpm (1.5 lpm) |
| Operating Pressure (Maximum) | | 1000 psi (67 bar) |
| Operating Temperature (Maximum) | | 110° F (45° C) |
| Operating Temperature (Minimum) | | -10° F (-20° C) |
| Accuracy | Model PG | ±0.65% |
| | Models PGB and AF | ±0.3% |
| Weight | | 3.3 lb (1.5 kg) |
| Inlet and Outlet Connections | | 1/2 in.NPTF (1/2 in. BSPP) |

| Model PG | | Model PGB | |
|-------------------|------------|----------------|------------|
| Dial | Totalizer | Dial | Totalizer |
| 32 oz to 16 qt | Quarts | 16 quarts | Quarts |
| 8 pints | Pints | 16 quart/liter | Quarts |
| 1...16 quarts | Quarts | 60 quarts | Quarts |
| 4...16 quarts | Quarts | 60 quarts | US gallons |
| 4...16 quarts | US Gallons | 16 liters | Liters |
| 1...10 liters | Liters | 30 liters | Liters |
| 4...10 liters | Liters | 60 liters | Liters |
| 1...16 US gallons | US Gallons | 15 US gallons | US gallons |
| | | 60 US gallons | US gallons |

* Tested with Mobil DTE-25 motor oil. Flow rates vary with fluid viscosity.

DIMENSIONS



| Dim. | Size |
|----------|-------------------|
| A | 5.46 in. (139 mm) |
| B | 8.45 in. (215 mm) |
| C | 3.86 in. (94 mm) |
| D | 5.46 in. (139 mm) |
| E | 8.45 in. (215 mm) |

Control. Manage. Optimize.

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