

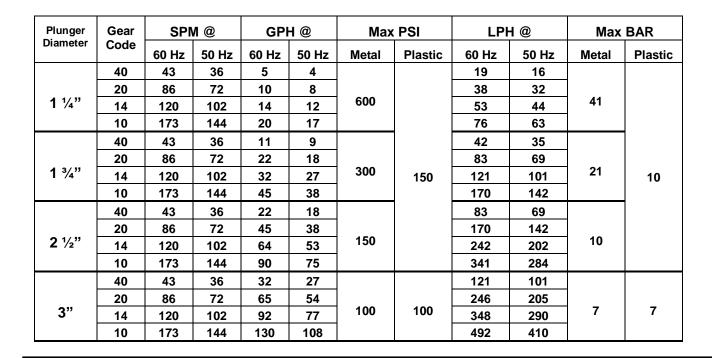
MILROYAL G METERING PUMPS

Hydraulically Actuated Diaphragm Liquid End

The robust Milroyal G[™] metering pump doses all traditional liquids used in water treatment and industrial processes including: acids, bases, coagulants, chlorinated products, and many others. Designed for ease of maintenance and start-up, the Milroyal G features Milton Roy's advanced hydraulically actuated High Performance Diaphragm (HPD) liquid end coupled to a durable variable eccentric drive. The absence of contour plates in this liquid end results in "straight-thru" flow ideal for handling polymers and slurries. A unique tri-mode hydraulic system valve allows for purging of any entrapped gases in the hydraulic oil without disturbing the relief valve setting. Also integral to the liquid end is a view port for visual indication of a relief condition in the hydraulic system. The smooth sinusoidal flow produced by the variable eccentric drive minimizes flow pulsations and mechanical shock to system components.

Product Features

- HPD liquid end design eliminates contour plates.
- Double diaphragm w/leak detection option available.
- Liquid End Materials: PVC, PVDF, 316SS, Alloy 20.
- High viscosity and slurry liquid end options.
- NEMA and IEC motor options.
- Integral tri-mode valve in hydraulic oil system: automatic air bleed, safety/relief valve, air purge button.
- View port provides visual indication of tri-mode valve operation.
- Non-lost motion drive design minimizes flow pulsations and mechanical shock.
- Optional AC & DC variable speed drives available for automatic control from a 4 -20 mA signal.
- Optional Electronic capacity control (stroke length control) from a 4-20 mA signal.

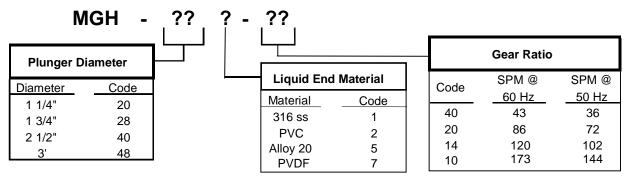




Milroyal G Metering Pump

Product Selection Code

Actual product code will include additional information describing options selected

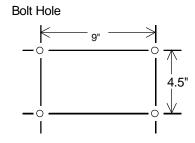


Materials of Construction

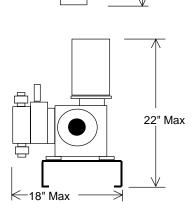
Liquid End Primary Mat'l	Diaphragm Head	Check Valves	Ball Checks	Ball Seats	Diaphragm	Wetted Seals
PVC	PVC	PVC	Ceramic	PVC		
316SS	316SS	316SS	316SS	316SS	PTFE/Nitrile*	Viton
Alloy 20	Alloy 20	Alloy 20	Alloy 20	Alloy 20		
PVDF	PVDF	PVDF	Ceramic	PVDF		

^{*} Diaphragm is PTFE/Nitrile Composite. Only PTFE is in contact with the process fluid.

Dimensions



Envelope Dimensions



Available Options Include:

- ☐ Electronic Stroke Length Adjustment (4-20 mA input signal)
- □ Double Diaphragm
- □Various Motors and Variable Speed Drives
- □ Slurry Check Valves
- Process Fluid Air Purge

- ☐ Flanged Connections
- ☐ Diaphragm Rupture Detection System
- NPT or BSP Piping Connections
- ☐ High Viscosity Check Valves
- ☐ Modifications per Customer Requirements

Milton Roy Company - Offices and Representatives Worldwide

Headquarters: Milton Roy Company 201 Ivyland Road, Ivyland, PA USA 18974

Tel: (215) 441-0800 Fax: (215) 441-8620 www.miltonroy.com