



LIGO Metering Pumps

HIGH SAFETY OF OPERATION

GM Mechanical Diaphragm Metering Pump

Product Description

- Flow : 0-420 lph
- Pressure : 0-10 Bar
- Power : 370W / 550W, 220V / 380V / 400V / 110, 50/60Hz
- Drive System : 1 and 3 phase motor, Anti-explosion motor, Frequency conversion motor
- Protection Degree : IP55
- Flow Control : Manual operation, Automatic (receive 4-20mA signal)

Work Condition

Environment temperature : -30°C --- 60°C

Material

- Pump head : SUS304, SUS316, PVC, PTFE
- Diaphragm : PTFE
- Valve : SUS304, SUS316, PVC, PTFE
- Valve ball : ZrO₂, SUS304, SUS316, Ceramic
- Valve seat : Viton, PVC, SUS304, SUS316
- Tubing : PE, PVC

Package :

- Material : carton with wooden base
- Measurement : 40 x 33x52 cm
- Gross Weight : 21.5 kgs



Technical Parameter

Model	Flow (lph)	Pressure (Bar)	Frequency (min ⁻¹)	Power (W)	Caliber (DN)	Weight (kg)
GM 25/10	25	10	48	370	8	22
GM 50/10	50	10	48	370		
GM 80/7	80	7	96	370	15	
GM 120/7	120	7	48	370		
GM 170/7	170	7	96	370		
GM 240/5	240	5	96	370		
GM 320/5	320	5	144	550	15	28
GM 420/5	420	5	144	550		



Features

1. Very high safety of operation. Mechanical actuate diaphragm. Changeable eccentric drive
2. Power off seal,no leakage,with security delivery device,simple maintance
3. It can transport high-viscosity mediums, corrosive liquid and dangerous chemical goods.
4. The flow can be controlled via adjusting the length of stroke or the motor frequency.
5. The diaphragm is made from multilayer complex structure to promote the life span, the first layer is Teflon anti-acid diaphragm, the second is EPDM stretch rubber, the third is 3.00 mm thick SUS304 that supporting the iron corn. The fourth is also the EPDM stretch rubber to cover all of the body.

Purpose

Widely used in petroleum, chemical industry, electric power, metallurgy, mining, shipbuilding, light industry, agriculture, national defense department and etc.

Measurements

