

>> HIGH SAFETY OF OPERATION

# LIGO Metering Pumps



## GB Mechanical Diaphragm Metering Pump

### Product Description

Flow	: 0-1600 lph
Pressure	: 0-6 Bar
Power	: 1.1 KW, 1.5 KW, 220V/380V/400V/110V, 50/60Hz.
Drive System	: 1 and 3 phase electric 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

### Package :

Material	: Wooden box
Measurement	: 54 x 39.5 x 66 cm
Gross Weight	: 52 kgs

### Material

Pump head	: SUS304, SUS316, PVC, PTFE
Diaphragm	: PTFE
Valve	: SUS304, SUS316, PVC, PTFE
Valve ball	: ZrO <sub>2</sub> , SUS304, SUS316, Ceramic
Valve seat	: Viton, PVC, SUS304, SUS316
Tubing	: PE, PVC



### Technical Parameter

Model	Flow(lph)	Pressure(Bar)	Frequency(min <sup>-1</sup> )	Power(kw)	Caliber(DN)	Weight(kg)
GB 380/6	380	6	96	0.75	DN25	40
GB 500/6	500	6	96	0.75		
GB 600/6	600	6	96	0.75		
GB 800/5	800	5	144	0.75		
GB 1000/4	1000	4	144	1.1		
GB 1400/3	1400	3	144	1.5		50
GB 1600/3	1600	3	144	1.5		50



## Features

1. Very high safety of operation. Mechanical actuate diaphragm. Changeable eccentric drive
2. Power off seal, no leakage, with security delivery device, simple maintenance
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 core. 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

