

○ ○ ○ ○ VERY HIGH SAFETY OF OPERATION



# LIGO Metering Pumps

## JBB

### Mechanical Diaphragm Metering Pump



#### Product Description

Flow : 0-120 lph  
 Pressure : 0-10 Bar  
 Power : 60W, 380V / 400V / 110V, 50 / 60Hz  
 Drive System : Single and Three phase motor  
 Protection Degree : IP55  
 Flow Control : Manual operation

#### Work Condition

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

#### Package :

Material : Carton  
 Measurement : 26 x 25 x 30 cm  
 Gross Weight : 7 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)	Stroke (mm)	Frequency (min <sup>-1</sup> )	Diaphragm Diameter (mm)	Powe (W)	Caliber (DN)
JBB 10/10	10	10	3	75	60	60	6
JBB 20/10	20	10	3	120	60		6
JBB 40/8	40	8	4	120	60		6
JBB 60/6	60	6	4	100	84		10
JBB 80/5	80	5	5	100	84		10
JBB 100/4	100	4	5	120	84		10
JBB 120/4	120	4	5	150	84		10

Using reliable quality motor, 380V or 220V or direct current machine is optional

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### 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

