LANGO®

Mechanical Metering Pump

GX Serials Technical Brochure



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Ver.: C-GX-2024-A

GY series are spring return return mechancial diaphragm metering pumps with max flow up to 400L/H and pressuer up to 5 bars. It is rebust and reliable dosing pumps for water and industries.

1. GX diaphragm metering pump is compact, energy saving, provides high precision metering.
2. The pump comes in three models, with a maximum displacement of 400LPH
3. The diaphragm of GX diaphragm metering pump is composite PTFE.
4. Pump head materials: PVC/PVDF/SS
5. Optional explosion-proof motor or variable frequency motor.

Main Performance Parameters

- **Max Flow Rate: 400L/H**
- **Max Pressure: 5 Bars**
- **Steady State Accuracy: ± 2% between 30% and 100% of rated flow rate**
- **Allowable Ambient Temperature: 0～40°C.**
- **Allowable Liquid Temperature: 0～40°C(PVC) 0～60°C(PVDF/SS)**
- **Voltage: 110V/220V/380V/DC 12V/DC24V/Ohters on request**
- **Motor: Standard IE3 motor, VF motor, explosion-proof motor**

Main Features

- **Manual flow adjustment mechanical stroke length regulation**
- **Reboust design,easy to install**
- **Spring return design with superior dosing performance**
- **Composite PTFE diaphragm with EPDM back baffle structure**
- **Various pump head materials such as PVC, PVDF, SS316, etc**

Applications

Water treatment, waste water treatment, chemical, general industry, etc.

Paramter Table

Model	Stroke Speed spm		Flow Rate L/H		Pressure Mpa	Power kW	Diaphragm mm
	50Hz	60Hz	50Hz	60Hz			
GX120	150	180	120	144	0.5	0.25	137
GX260			260	312			
GX400			400	480			

Liquid End Material

Head	Ball	Seat	Cover	Gasket	Oring	Diaphragm
PVC	Ceramic	PVC	PVC	PTFE	FKM	Composite PTFE
PVDF	Ceramic	PVDF	PVDF	PTFE	PTFE	
PTFE	Ceramic	PTFE	PTFE	PTFE	PTFE	
SS304	SS304	SS304	SS304	PTFE	PTFE	
SS316	SS316	SS316	SS316	PTFE	PTFE	

Connection

Model	PVC	PVDF	PTFE	SS304/SS316
GX120	DN15 glue union	DN15 welding union	Rc1/2" thread	Rc1/2" thread
GX260	DN20 glue union	DN20 welding union	Rc3/4" thread	Rc3/4" thread
GX400				

Note:
1. Tested by clean water at normal temperature,, suction height 1 meters, stroke length 100%
2. Back pressure valve is required for stable and accurate discharge.
3. Stroke length adjustment mode: manual adjustment during stop and operation.
4. Liquid temperature: -10 to +40°C for PVC; -10 to +80°C for PVDF & SS

Identification Code

ID	GX	120	VC	U	1	A	C
Item	1	2	3	4	5	6	7
Code	Model	Flow	Material	Connection	Voltage	Motor	Plug

Item	Code	Desctription
1	GX	GX model
2	Flow	detailed flow rate and pressure see above table
3	C	PVC head/Ceramic ball/PVC seat/PVC cover/PTFE gasket/FKM O ring
	F	PVDF head/Ceramic ball/PVDF seat/PVDF cover/PTFE gasket/PTFE O ring
	E	PTFE head/Ceramic ball/PTFE seat/PTFE cover/PTFE gasket/PTFE O ring
	4	SS304 head/SS304 ball/SS304 seat/SS304 cover/PTFE gasket/PTFE O ring
	6	SS316 head/SS316 ball/SS316 seat/SS316 cover/PTFE gasket/PTFE O ring
4	R	Tube
	U	Union
	F	Flange
	Y	Thread
5	1	220/380V 3PH 50Hz
	2	220/380V 3PH 60Hz
	3	220V 1PH 50Hz
	4	220V 1PH 60Hz
	5	110V 1PH 50Hz
	6	110V 1PH 60Hz
	9	Other voltage
6	A	Standard ordinary motor
	B	Explosion proof motor BT4
	C	Inverter motor

	D	Explosion proof inverter motor BT4
	E	Other type motor
7	A	Australia, New Zealand, Taiwan
	B	British
	C	China
	E	Europe
	U	United States
	S	South Africa
	X	No Plug

Installation Dimensions

