LANGO®

Selenoid Metering Pump

EJ Serials Technical Brochure

Manual Flow Rate Adjustment (EJ-P)
DC5-24V Pulse Signal Control (EJ-A)





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Ver.: C-EJ-2024/A

EJ series electromagnetic metering pump consists of pump head, driver and controller. The drive is an electromagnetic coil. When the controller energizes the coil, the core and connecting rod move forward under the action of electromagnetic force. The forward movement of the diaphragm reduces the pump cavity space and increases the pressure, forcing the fluid in the pump cavity to be discharged through the valve assembly of the outlet pipe. When the current of the coil is cut off, the iron core and the connecting rod are bounced back to the original position by the elastic force of the reset spring, the connecting rod drives the diaphragm back, the space in the pump chamber increases and the pressure drops, and the liquid in the tank is under atmospheric pressure. Through the controller drive the driver's frequent action tocomplete the liquid is inhaled and spit out.

CHARACTERISTIC

EJ-P Serials

1. Manual flow adjsutment by frequency.
2. Frequency up to 360 spm.
3. LED screen display the stroke rate.

EJ-P Serials

1. Manual flow adjsutment by frequency.
2. Frequency up to 360 spm.
3. DC5-24V pulse input signal control

Parameter Table

Model	Flow L/H	Pressure Bar	Stroke Flow Rate ML	Max Speed SPM	Power	Diaphragm mm
EJ-A 9/0	9	0	0.42	360	20W AC100~240V,50~60Hz	29
EJ-A 6/3	6	3	0.27	360		
EJ-A 5/6	5	6	0.23	360		
EJ-A 2/10	2	10	0.09	360		

Model	Flow L/H	Pressure Bar	Stroke Flow Rate ML	Max Speed SPM	Power	Diaphragm mm
EJ-P 9/0	9	0	0.42	360	20W AC100~240V,50~60Hz	29
EJ-P 6/3	6	3	0.27	360		
EJ-P 5/6	5	6	0.23	360		
EJ-P 2/10	2	10	0.09	360		

Liquid End Material

Head	Ball	Seat	Cover	Gasket	Oring	Diaphragm
PP	Ceramic	PP+30%GF	PP+30%GF	PTFE	EPDM	Composite PTFE
PVDF	Ceramic	PVDF	PVDF	PTFE	PTFE	

Connection

Model	PP	PVDF
EJ 9/0	4*6mm PE/PVC tube 4*9mm PVC tube	4*6mm /4*9mm PTFE tube
EJ 6/3		
EJ 5/6		
EJ 2/10		

Identification Code

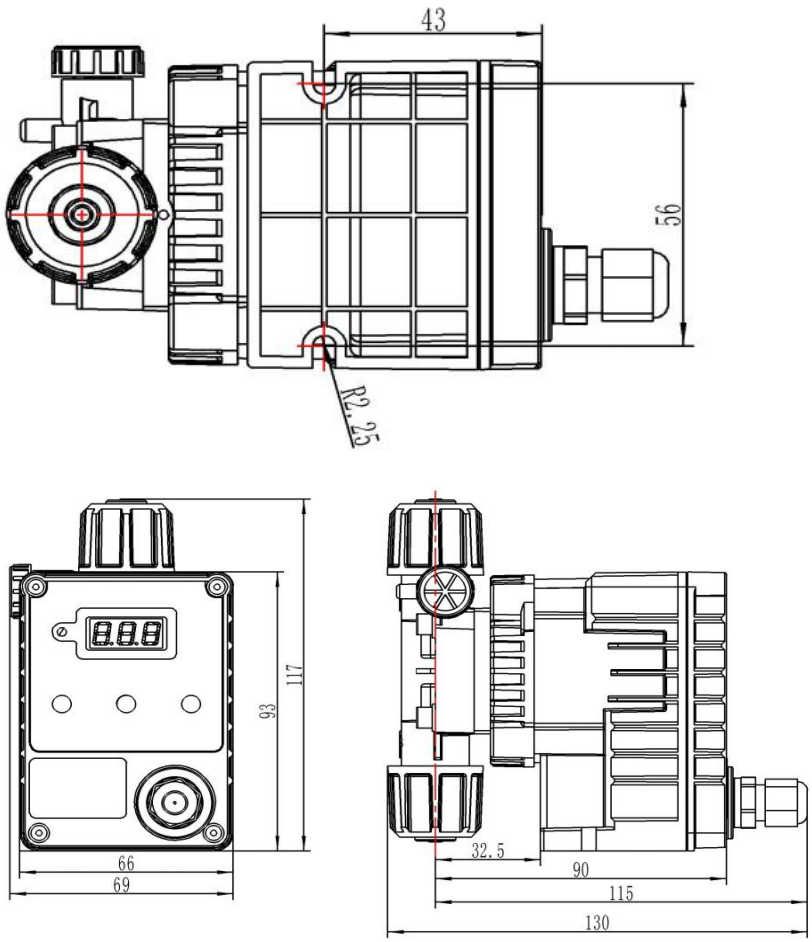
ID	EJ-A	A	P	W	1	C
Item	1	2	3	4	5	6
Code	Model	Flow/Pressure	Material	Voltage	Connection	Plug

Item	Code	Description
1	EJ-P	Manual model
	EJ-A	Pulse control model
2	B	Flow/Pressure(see above table)
3	P	PP head/Ceramic ball/PP+30%GF seat/PP+30%GF cover/PTFE gasket/EPDM O ring
	V	PVDF head/Ceramic ball/PVDF seat/PVDFcover/PTFE gasket/PTFE O ring
4	W	AC100~240V,50~60Hz
5	1	ø4×6mm (PE tube 2m+ PVC tube 1m)
	2	ø4×6mm (PVC tube 3m)
	3	ø4×6mm (PE tube 3m)
	4	ø4×9mm (PVC tube 3m)
	5	ø4×6mm (PTFE transparent tube 3m)
	6	ø4×9mm(PTFE transparent tube 3m)
6	A	Australia, New Zealand, Taiwan
	B	British
	C	China
	E	Europe
	U	United States
	S	South Africa
	X	No Plug

Note:

1. The performance of the pump is obtained by clean water under a rated voltage and ambient temperature.
2. The above parameters are measured with clean water. The discharge amount increases when discharge pressure decreases.
3. Allowable ambient temperature: 0～40°C.
4. Allowable liquid temperature: 0～40°C
5. Allowable voltage deviation: ±10% of the rated voltage

Installation Dimensions



Flow Curve

