LANGO®

Selenoid Metering Pump

EH-E Serials Technical Brochure

Manual Flow Rate Adjustment /Pulse Control/0-20mA Current Signal



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Ver.: C-EHE-2024/A

CHARACTERISTIC

Electromagnetic Metering Pump EH-E Series not only compact, but also can achieve a maximum flow rate of 1.25L/min. The EH-E pump's controller includes a microcomputer that enables a single pump to provide not only manual operations, but also automatically controlled operations based on various input signals (current 0-20 mA and pulse signals).

Wide Adjustment Range

The discharge volume is adjusted in terms of stroke length and rate. The stroke length can be adjusted between 20% and 100%, and the stroke rate can be set between 0 and 360 spm,
which enables the EH-E pump to provide a wide range of flow rates.

Wide Adjustment Range

The controller includes a microcomputer that enables a single pump to operate in four modes (manual / proportional control / pulse control / count control), switching between modes by
the keys.

Water and Dust-proof Structure

The pump body, aluminium die-cast frame is molded by reinforced plastics (GFRPP), has a water- and dust-proof structure that is immune to liquids and atmosphere corrosion. The protection grade can reach IP65.

Chemical Resistance Features

Pump head materials are available for PVC, PVDF, and SS316. All other wetted-parts consist of corrosionproof materials; Hastelloy C276, ceramic, fluoroelastomer, PTFE, etc.

Functions

1. Manual Mode

Stroke rate can be increased or decreased by 1-spm anywhere within the range 0 to 360 spm, and is able to set either during operation or stop.

2. Proportional Control Mode

The stroke rate can be proportionally controlled based on external DC0-20mA signals. Select an input signal by the keys.

3. Pulse Control Mode

The EH-E pump performs division control operations in response to external pulse signals. The pump provides one shot per (n) times pulse inputs. Set the number (n) between 1 and 999 by means of the keys.

4. Count-control Mmode

The EH-E pump performs count-control operations in response to external pulse signals. The pump provides (n) times shots per pulse input. Set the number (n) between 1 and 999 by the keys. If next pulse is input before a set number of shots have been completed, the pump
is capable of storing that pulse signal (max. 255 pulses). It is selectable to store the pulses input.

Parameter Table

Model	Flow L/H	Pressure Bar	Max Speed SPM	Power	Current
EH-E36	31.2	7	360	48W	0.8A
EH-E46	45	4	360	48W	0.8A
EH-E56	75	2	360	48W	0.8A

Liquid End Material

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

Connection

Model	PVC	PVDF	SS316
EH-E36	8×13mm /9*12mm PVC tube	10*12mm PTFE tube	Rc1/4" thread
EH-E46	8×13mm /9*12mm PVC tube	10*12mm PTFE tube	Rc3/8" thread
EH-E56	8×13mm /9*12mm PVC tube	10*12mm PTFE tube	Rc3/8" thread

Identification Code

ID	EH-E	36	VC	100	1	C
Item	1	2	3	4	5	6
Code	Model	Diaphragm	Material	Voltage	Connection	Plug

Item	Code	Description
1	EH-E	EH-E model
2	36	Diaphragm effective diameter 35mm
	46	Diaphragm effective diameter 45mm
	56	Diaphragm effective diameter 55mm
3	VC	PVC head/Ceramic ball/FKM seat/PVC cover/PTFE gasket/FKM O ring
	FC	PVDF head/Ceramic ball/PTFE seat/PVDF cover/PTFE gasket
	SH	SS316 head/SS316 ball/SS316 seat/SS316 cover/PTFE gasket
4	100	AC100~115V,50~60Hz
	20E	AC220~240V,50~60Hz
5	1	ø8×13mm (PVC tube 3m)
	2	ø9×12mm (PVC tube 3m)
	3	10*12mm (PTFE tube 3m)
	4	Rc1/4" thread
	5	Rc3/8" thread
6	A	Australia, New Zealand, Taiwan
	B	British
	C	China
	E	Europe
	U	United States
	S	South Africa
	X	No Plug

Installation Dimensions

