



Electromagnetic metering pumps

EH-E



**Extensive flow capacity range
powerful electromagnetic metering pumps**

The Heart of Industry

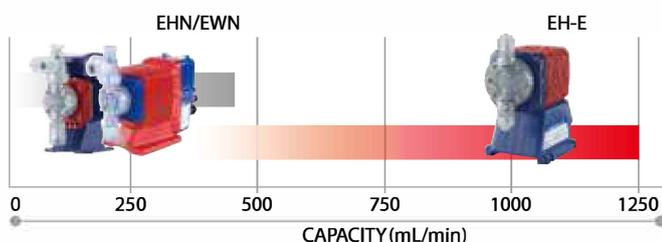
Powerful, Efficient and Durable

Large capacity metering pumps up to 1250ml/min



Large capacity

EH-E series is available in models with a max. discharge capacity of 340 to 1250mL/min. Combined with the IWAKI EHN and EWN series, it can further widen a range of flow capacity.



High resolution

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 1 and 360 spm, which enables the fine adjustment of discharge capacity.



Pump head variation

Materials available for the pump head are PVC, GFRPP (Polypropylene), PVDF (Fluororesin), and SUS (Stainless steel).



Water / Dust - proof

The sealed drive unit and control unit assure IP65.

* The pump is not completely water -proof. Protect the pump with a cover when installing it outdoors.



PVC



GFRPP



PVDF



SUS316



Functions of controller

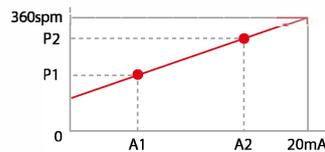
The controller features a control mode based on analog input (0 - 20mADC) and digital input (Pulse) as standard. The controlled operation can be performed in the control mode that best suits the purpose.

Manual mode

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

Proportional control mode

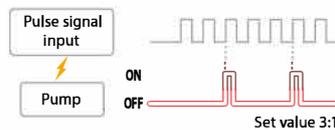
The stroke rate can be proportionally controlled based on external 0-20mADC signals.



Divisor mode

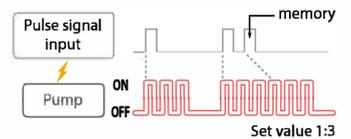
The pump runs for a preset divisor at every incoming external pulse signals. The pump provides one shot per (n) times pulse inputs.

Set the number (n) between 1 and 999 by means of the keys. If next pulse is input before a set number of shots have been completed, the pump is capable of storing that pulse signal (max. 64535 shots). It is selectable to store the pulse input or not.



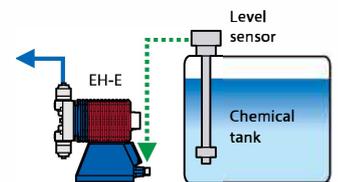
Multiplier mode

The pump runs for a preset multiplier per incoming external pulse signals. The pump provides (n) times shots per pulse input. Set the number (n) between 1 and 999 by means of 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. 64535 shots). It is selectable to store the pulse input or not.



STOP function

The pump can be stopped by an external contact signal. The pump operates when stop signal is released. This feature enables the pump ON/OFF control.



Wet-end part materials

Material symbol	VC	V6	VM(E56)	PC	SH	FC
Pump head	PVC	PVC	PVC (machined)	GFRPP	SUS316	PVDF
Valve	Alumina ceramic	SUS316	Alumina ceramic	Alumina ceramic	Hastelloy C276	Alumina ceramic
Valve seat	FKM	EPDM	FKM	FKM	SUS316	PCTFE
Valve guide	PVC	PVC	PVC	GFRPP	SUS316	PVDF
Gasket	PTFE					
O-ring	FKM	EPDM	FKM	FKM	-	-
Diaphragm	PTFE+EPDM (EPDM of diaphragm is not wet-end.)					

Note : Illustration shows EH-E46. EH-E31 & E36 employ 2 stage valve.

