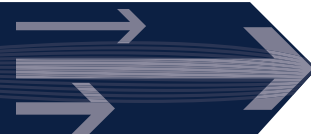


Metering Pumps



EJ Series

The EJ Series provide precise chemical injection at an economical price.

Universal voltage capability enables operation from 100 - 240 VAC in virtually all countries.

The EJ Series are compact, simple to operate and have outputs to 1.3 GPH (4.8 LPH) and a maximum pressure of 175 PSI (1.2 MPa).



Summary of Key Benefits

➤ High Speed Performance

The EJ Series operate at 360 strokes-per-minute, providing high resolution chemical feed and high turndown capability. Most competitive products operate at slower speeds, resulting in slug feeding, accelerated diaphragm wear and poor feed control.

➤ Universal Voltage

The Universal Voltage Function enables the EJ Series to operate at any AC voltage. The EJ Series also conform to global standards.

➤ External Control

The EJ Series have both digital input and Stop/Start inputs built into the pump, enabling either proportional or On/Off control.

➤ IP65 Equivalent Protection

A robust housing protects the pump from normal wear. Mounting the Digital Display and Key Pad control within the drive housing creates a highly water resistant design. A clear cover further protects the pump from liquids.

WALCHEM

IWAKI America Inc.

Specifications

Pump

Model		B09*	B11	B16	B21
Max. capacity	mL/min	19	30	50	80
Max. discharge pressure	PSI MPa	175 1.2	150 1.0	90 0.6	45 0.3
Stroke rate	spm	1 to 360			
Power consumption	W	12			
Current (Input)	A	0.8			
Shipping Weight	kg	3.6			

- The above information is based on pumping clean water at rated voltage and ambient temperature.
- Flow rates were collected at the maximum discharge pressure and 360spm. Degassing option derates capacity by approximately 20%.
- *B09 size is available in PVC liquid ends only
- Flow rate increases as discharge pressure decreases.
- Allowable ambient temperature: 0 to 40°C
- Allowable liquid temperature: 0 to 40°C
- Allowable power voltage deviation: $\pm 10\%$ of the rated voltage
- Noise level: 65dB at 10 ft. (A scale)
- E90495 (field-wireable connector) or IX0018 (connector with 5 ft. cable) required for Inputs.

Controller

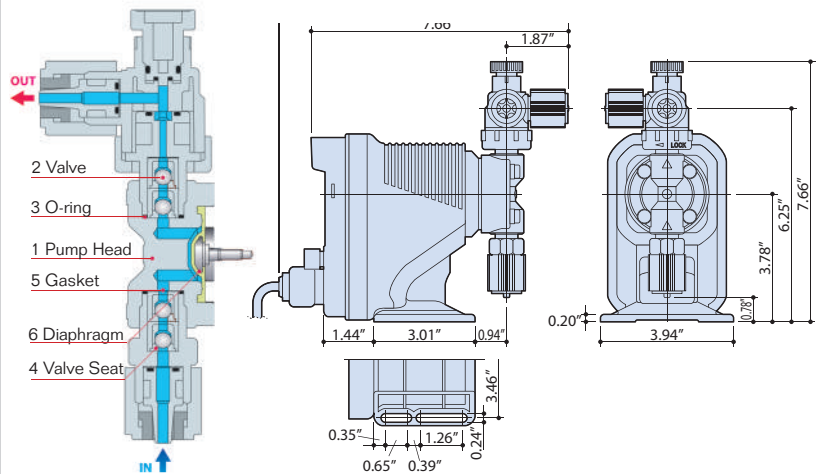
Operation mode	Mode	Manual
		EXT
Stroke rate	Setting range	1 to 360spm
	SPM programming	UP key
STOP function	Input signal	No-voltage contact or open collector ^{Note 1}
EXT mode	Maximum spm	360spm
	Pump behavior	1 shots per signal ^{Note 2}
	Input signal	No-voltage contact or open collector ^{Note 1}
Monitors	LCD	7x3 LCD with three status codes
	LED	Green LEDx1 (blinks at each shot)
Buffer		Non-volatile memory
Power voltage ^{Note 3}		100 to 240VAC 50/60Hz

- The max voltage from the EJ to an external contact is 15V at 3mA. When using a mechanical relay, the minimum load should be 3mA or below.
- When the external pulse signal is over the max spm, the extra pulses are ignored.
- The allowable voltage range is 90 to 264VAC. Outside of this range, failure may result.

EJ - B 11 VC □ U B □

- Drive unit symbol**
Average power consumption
B: 12W
- Diaphragm diameter**
*09: 8mm, 11: 10mm
16: 15mm, 21: 20mm
- Wet-end material symbol**
For details, see the Liquid End Materials table.
- Special version**
A: Auto degassing valve
M: Multifunction valve
- Controller function code**
R: External control
- Power cord**
B: Brazil 230 VAC plug
- Connection (No Character)**
3/8" OD x 1/4" ID (09-21 sizes)
For other options, consult factory

Dimensions



Liquid End Materials

	1	2	3	4	5	6
Material	Pump head	Valve	O-Ring	Valve seat	Gasket	Diaphragm
VC	PVC	CE	FKM	FKM	PTFE	PTFE + EPDM backer

CE Alumina ceramic
FKM Fluoroelastomer
PTFE Polytetrafluoroethylene
PVDF Polyvinylidene fluoride
PVC Polyvinylchloride (translucent)

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