

# Jaeco Series E

## Electronically Pulsed Diaphragm Metering Pumps (3 to 500 GPD)

### Features/Benefits

- For low-flow applications where flexibility, accuracy, compact design and economy are important.
- Stroke length is manually adjustable for a turn-down ratio of 10:1.
- Stroke rate is manually adjustable for a turn-down ratio of 10:1.
- Stroke can be controlled automatically on some models.
- Single ball check valve, standard on both suction and discharge side of the pump, provides accurate metering and fast response. Valve ball turns with fluid flow, constantly presenting a new face to the seat, and is therefore self-cleaning.
- Weather-resistant enclosure.
- Transparent, hinged control panel cover.
- Economical to purchase, run and maintain.
- Electronic circuitry means fewer moving parts.
- Comes with everything needed to start injecting chemicals: foot valve, suction and discharge tubing, injection valve and bleed valve with return tubing.
- Accuracy of  $\pm 3\%$  at steady state.

### Materials of Construction

Diaphragm:	PTFE faced Hypalon®
Head and fittings:	Glass filled polypropylene
Valve Balls:	Ceramic
Power Cord:	6 foot 3-wire with ground
Seats & O-rings	Hypalon®



### Options

- Automatic, proportional adjustment to follow a 4-20mA process signal.
- Automatic, externally-paced adjustment to accept a contact closure.

### Accessories

- Safety relief valve
- Back pressure valves
- Calibration columns
- Pulsation dampners

## Models

Model#	Maximum Capacity <sup>(1)</sup>				Maximum Pressure <sup>(2)</sup>	
	GPH	LPH	GPD	LPD	PSIG	Kg/cm <sup>2</sup>
EA-003-TS	0.13	0.50	3	12	300	21.1
EA-005-TS	0.20	0.79	5	18	250	17.6
EA-011-TS	0.45	1.73	11	41	250	17.6
EA-020-TS	0.83	3.79	20	75	250	17.6
EA-040-TS	1.66	6.31	40	151	250	17.6
EB-006	0.25	0.95	6	22	150	10.5
EB-012	0.50	1.89	12	45	150	10.5
EB-021	0.87	3.31	21	79	150	10.5
EB-042	1.75	6.62	42	158	150	10.5
EB-075	3.12	11.83	75	283	150	10.5
EC-012	0.50	1.89	12	45	100	7.0
EC-024	1.00	3.79	24	91	100	7.0
EC-044	1.83	6.94	44	166	100	7.0
EC-120	5.0	18.93	120	454	100	7.0
ED-190	8.0	30.28	190	719	50	3.5
EE-240	10.0	37.85	240	908	35	2.5
EF-500	21.0	79.49	500	1,893	20	1.4

1. Flow rates are for water at maximum pressure rating.

2. Maximum temperature: Environment: 104°F; Process fluid: 190°F @ 150 PSI, 140°F @ 250 PSI.

## How to Order

Determine type of Jaeco pump to use. Select appropriate model from capacity/pressure chart. Or, contact your Jaeco representative with the following information: fluid name, concentration and compatibility; fluid properties – viscosity, temperature, vapor pressure, particle matter size and percent; maximum and minimum operating capacities and type of capacity adjustment required; maximum discharge pressure and minimum available suction pressure; and type of motor drive preferred and available power source. Also include additional pertinent information such as pumping system tolerance for pulsating flow/pressure and liquid's degree of abrasion or corrosion.

## Warranty

Jaeco pumps are warranted for one year from date of shipment against defects in parts or workmanship.

## Shipment

Most Series E pumps can be shipped within one week after receipt of order. If required, spare parts can be shipped the same day when the order is received before noon.

## Series E Model #s

### A B - CCC - (D)

**A** — Product Code: E = Series E

**B** — Pressure Rating (PSIG): A = 250, B = 150, C = 100, D = 50, E = 35, F = 20

**CCC** — Rated Capacity in GPD  
ie. 006 = 6 GPD

**D** — Options: See below

## Series E Options

### Controls<sup>1</sup>

**EA** — Manual or proportional (4-20 mA) with stop connection

**PA** — Manual or externally paced with stop connection

### Electrical

**HV** — 1 Phase, 50/60 Hz, 230 VAC

### Liquid End Components

**PH** — PVC pump head & fittings (150 PSIG max)

**KH** — PVDF (Kynar<sup>®</sup>) pump head & fittings (except #EF-500)

**SH** — 316 S.S. pump head & fittings (standard on #EF-500)

**VS** — Viton<sup>®</sup> seats & O-rings (up to 150 PSIG)

**TS** — PTFE seats & O-rings (standard on #EA models)

**TB** — PTFE valve balls

**SB** — 316 S.S. valve balls

**AB** — Alloy 20 valve balls

### Connections

**2X** — Pipe, FNPT

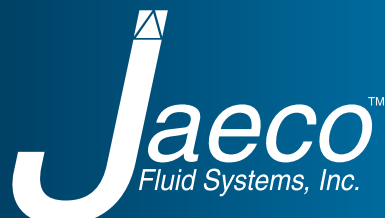
**3X** — High viscosity (1,000-3,000 cps) tube (except w/option KH)

**4X** — High viscosity (1,000-3,000 cps) pipe, FNPT (except w/option KH)

**5X** — High viscosity (3,000+ cps) tube (except w/option KH)

**6X** — High viscosity (3,000+ cps) pipe, FNPT (except w/option KH)

1. Both auto 4-20 mA & external paced equipped pumps are supplied with (2) 10' cord sets. One for pulse/signal input, one for stop connection - low level switch, etc.



17 Lee Boulevard, Suite D • Malvern, PA 19355-1234

Toll Free: 1-877-778-3456 • Phone: 610-407-7207

Fax: 610-407-7211 • www.jaecofs.com