

EW / EK Pump Specifications

Electrical		50/60 Hz, single phase		
EWB/EKB	115 VAC±10%	0.8 Amp max.	20 watt avg.	
	230 VAC±10%	0.4 Amp max.	20 watt avg.	
EWK/EKC	115 VAC±10%	1.2 Amp max.	22 watt avg.	
	230 VAC±10%	0.6 Amp max.	22 watt avg.	

Operating Conditions

Ambient temperature	32°F to 122°F (0°C to 50°C)
Relative humidity	To 85% (EW) / 95% (EK) non-condensing
Liquid temperature	32° to 104°F (0 to 40°C) for PVC based liquid ends
	32° to 140°F (0 to 60°C) for PP, PVDF, SS based liquid ends
	Below 32°F (0°C), pump is limited to 70% of max. pressure. Liquid cannot freeze.

Capacity/Pressure Rating

Size	Maximum Output Capacity		Output per Stroke (mL)		Maximum Pressure ¹		Connection Size (in) Tubing O.D
	(Gal/hr)	(mL/min)	Min.	Max.	PSI	MPa	
B10	0.6	38	0.03	0.11	150	1.0	3/8
B15	1.0	65	0.04	0.18	105	0.7	3/8
B20	1.8	115	0.07	0.26	60	0.4	3/8
B30	3.3	210	0.12	0.56	30	0.2	1/2
C15	1.3	80	0.05	0.22	150	1.0	3/8
C20	2.3	145	0.08	0.36	105	0.7	3/8
C30	4.3	270	0.15	0.75	50	0.35	1/2
C35²	6.7	420	0.24	1.17	30	0.2	1/2

¹ Auto Air vent valve reduces maximum pressure approx. 35 PSI (0.2 MPa)

² Output of the EW/EKC35-TC/FC/SH is 6.3 GPH (400 ml/min)

Adjustment Range

Stroke length adjustment range 20% to 100%

Frequency adjustment range 0 to 360 strokes per minute

Materials of Construction

Liquid End Code	Pump Head & Fittings	Diaphragm	Valve Balls	Valve Seat	Valve Seals	Gasket	Tubing
PC	GFRPP	PTFE (bonded to EPDM)	CE	FKM	FKM	PTFE	PE
PE	GFRPP		CE	EPDM	EPDM		
VC	PVC		CE	FKM	FKM		
VE	PVC		CE	EPDM	EPDM		
VF	PVC		PTFE	EPDM	EPDM		
TC	PVDF		CE	FKM	FKM		
FC	PVDF		CE	PCTFE	PTFE		
SH	SS		HC	HC	PTFE		1/4" NPTF

CE Alumina ceramic

EPDM Ethylene propylene diene monomer

FKM Fluoroelastomer

GFRPP Glass fiber reinforced polypropylene

HC Hastelloy C276

PCTFE Polychlorotrifluoroethylene

PE Polyethylene

PTFE Polytetrafluoroethylene

PVC Polyvinylchloride (translucent)

PVDF Polyvinylidene fluoride

SS 316 stainless steel