WALCHEM

EZ Pumps

EZ	B16	D	1	-	VC	A
1	2	3	4		5	6

1 Pump Series

EZ Electronic metering pump with manual speed control (adjustable to 360 strokes per minute)

2 Capacity/Pressure Rating

Size	Maximum Output Capacity (Gal/hr)	Maximum Output Capacity (mL/min)	Output per Stroke (mL) Min.	Output per Stroke (mL) Max.	Maximum Pressure[1] PSI	Maximum Pressure[1] MPa	Connection Size (in) Tubing O.D[2]
B11	0.6	38	0.05	0.11	150	1.0	3/8
B16	1.0	65	0.09	0.18	105	0.7	3/8
B21	1.5	95	0.13	0.26	60	0.4	3/8
B31	3.2	200	0.28	0.56	30	0.2	1/2
C16	1.3	80	0.09	0.22	150	1.0	3/8
C21	2.0	130	0.14	0.36	105	0.7	3/8
C31	4.3	270	0.30	0.75	50	0.35	1/2
C36	6.3	400	0.46	1.17	30	0.2	1/2

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

3 Control Module

D For use on all EZ models, features digitally adjustable speed and fixed stroke length

T Timer module allows daily, weekly, or 2 week operation with digitally adjustable speed and external stop control. Available on 115V EZB models.

4 Voltage

1 115 VAC, 50/60 Hz
2 230 VAC, 50/60 Hz

5 Liquid End

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		

CE Alumina ceramic
EPDM Ethylene propylene diene monomer
FKM Fluoroelastomer
GFRPP Glass fiber reinforced polypropylene
PCTFE Polychlorotrifluoroethylene
PE Polyethylene
PTFE Polytetrafluoroethylene
PVC Polyvinylchloride (translucent)
PVDF Polyvinylidenefluoride

6 Options

M Multifunction Valve is supplied in place of the manual air vent valve. Available for the EZ series pumps with VC, VE, VF, PC and PE liquid ends. Not available with the AAVV feature.

A Auto Air Vent Valve supplied in place of manual air vent valve. Available for the EZ Series in B11, B16, C16 and C21 sizes with –VC liquid ends only.

Electrical

EZB	115 VAC±10%	0.9 Amp max.	16 watt avg.
	230 VAC±10%	0.4 Amp max.	16 watt avg.
EZC	115 VAC±10%	1.4 Amp max.	24 watt avg.
	230 VAC±10%	0.6 Amp max.	24 watt avg.

Operating Conditions

Ambient temperature	32°F to 122°F (0°C to 50°C)
Relative humidity	30% to 90% 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

Adjustment Range

Frequency adjustment range	0 to 360 strokes per minute