EHB/C/Z Pumps

Model Code

EH	B15	R	1	-	VC	C
1	2	3	4		5	6

1 Pump Series

EH Electronic metering pump with external pulse control or manual speed control (adjustable to 360 strokes per minute) and manually adjustable stroke length. (Typical turndown ratio 125:1.)

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

2 Capacity/Pressure Rating

(See Section 1.4 for detailed chart.)

3 Control Module

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

R For use on all EHB & EHC models, features external pulse control.

Y For use on all EHB & EHC models, features analog and external pulse control with pulse divide and multiply capability.

4 Voltage

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

5 Liquid End

(See Section 1.4 for detailed chart.)

6 Options

C High Compression Head: Supplied standard with auto air vent valve in place of manual air vent valve. Available for EHB10, EHB15, EHC15 and EHC20 sizes with -VC liquid ends only.

M Multifunction Valve is supplied in place of the manual air vent valve. Available for the EZ and EHB/C 10-20 sized pumps with VC, VE, VF, PC, PE, PCH and PEH liquid ends. Not available with the AAVV feature.

A Auto Air Vent Valve supplied in place of manual air vent valve. Available for EZ and EH Series in B10, B15, C15 and C20 sizes with VC liquid ends only.

H High Pressure Head available only for PC/PE liquid ends. Available for EHB10 and EHC15 sizes only. Rated @ 215 PSI.

1.4 Specifications

Electrical	50/60 Hz, single phase		
EHB/EZB	115 VAC±10%	0.9 Amp max.	16 watt avg.
	230 VAC±10%	0.4 Amp max.	16 watt avg.
EHC/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

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[3] PSI	Maximum Pressure[3] MPa	Connection Size (in) Tubing O.D[2]
B10[1]	0.6	38	0.05	0.11	150	1.0	3/8
B10(H)	0.5	30	0.04	0.08	215	1.5	3/8
B15[1]	1.0	65	0.09	0.18	105	0.7	3/8
B20[1]	1.5	95	0.13	0.26	60	0.4	3/8
B30[1]	3.2	200	0.28	0.56	30	0.2	1/2
C15	1.3	80	0.09	0.22	150	1.0	3/8
C15(H)	0.8	50	0.06	0.14	215	1.5	3/8
C20	2.0	130	0.14	0.36	105	0.7	3/8
C30	4.3	270	0.30	0.75	50	0.35	1/2
C35[4]	6.7[4]	420[4]	0.46	1.17	30	0.2	1/2

[1] Available sizes for EZ pumps
[2] 1/4" NPT female for 316 SS
[3] Auto Air vent valve reduces maximum pressure approx. 35 PSI (0.2 MPa)
[4] EZC35 rated output is 6.3 GPH (400 ml/min)

Adjustment Range

Stroke length adjustment range	40% to 100% (EHB and EHC only)
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		¼" NPTF

CE	Alumina ceramic	PE	Polyethylene
EPDM	Ethylene propylene diene monomer	PTFE	Polytetrafluoroethylene
FKM	Fluoroelastomer	PVC	Polyvinylchloride (translucent)
GFRPP	Glass fiber reinforced polypropylene	PVDF	Polyvinylidenefluoride
HC	Hastelloy C276	SS	316 stainless steel
PCTFE	Polychlorotrifluoroethylene		