

C-1500N

CHEM-FEED® Diaphragm Metering Pump



Features

- > All ball bearing, permanently lubricated gear motor
- > Standard Models feature a mechanical stroke length control
- > Efficient design allows for a minimum stroke length of 5%
- > Deluxe Models feature stroke length and electronic time Interval control
- > The pump's on time is adjustable from 5-100%



Highlights

Flow range

.2 - 9.5 GPH
.5 - 36 LPH

Pressures

125 PSI
(8.6 bar)

Turndown ratio

20 : 1

Max. suction lift

10 ft. Water 0 psig

Motor

AC Shaded
Pole

Warranty

2 Years

Control Methods

Control Methods	Manual Control	On/Off Switch	Proportional Feed System
C-1500N	•	•	•



Max. working pressure:	125 psig (8.6 bar)
Max. fluid temperature:	130° F (54° C)
Max. Ambient temperature:	14 to 110° F/ -10 to 43° C
Maximum viscosity:	1,000 Centipoise
Maximum suction lift:	10 ft. Water at sea level (0 psi)
Operating Voltage:	115VAC/60Hz, 1ph (.74 Amp Maximum)
	230VAC/60Hz, 1ph (.36 Amp Maximum)
	220VAC/50Hz, 1ph (.31 Amp Maximum)
	240VAC/50Hz, 1ph (3.4 Amp Maximum)
Power Cord Options:	115V60Hz = NEMA 5/15 (USA)
	230V60Hz = NEMA 6/15 (USA)
	220V50Hz = CEE 7/VII (EU)
Motor:	AC shaded pole
Duty cycle:	Continuous
Motor speed adjustment range 20:1	5% – 100% motor speed
Enclosure:	NEMA 3R (IP23) Valox
Maximum Overall Dimensions:	4.5" X 9.062" X 5.750" (11.4 W x 23 H x 14.6 D cm)
Product weight:	7lb. (3.18 Kg)
Approximate shipping wt:	35 lb. (3.63 Kg)
RoHS Compliant:	Yes
Standards:	NSF/ANSI 61, cETLus, CE

Output Specifications

AC powered models

Maximum Output at 0 PSI				Strokes/Min	Max PSI
GPD	GPH	LPH	OZ/MIN		
268	11.2	42.4	23.8	60	20
568	23.7	89.7	50.5	125	10
1,129	47.1	178.3	100.4	250	5

DC powered models

Maximum Output at 0 PSI				Strokes/Min	Max PSI
GPD	GPH	LPH	OZ/MIN		
189	7.8	29.5	16.8	60	20
398	16.5	32.4	35.3	125	10
791	32.9	124.5	70.3	250	5

NOTE: For optimum diaphragm life, specify the pump to operate at the lowest possible RPM and pressure.

Materials of Construction

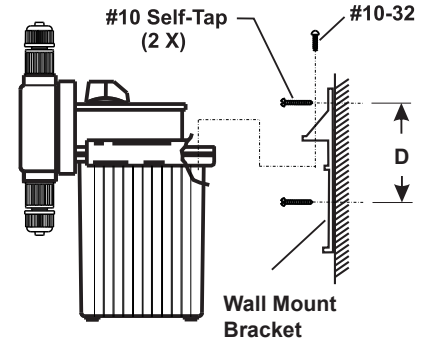
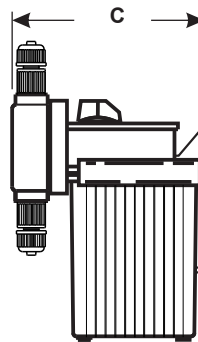
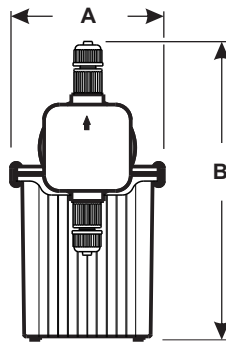
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Wetted Components:

Pump Head:	PVDF		Body & Tubing Adapter : PVDF (optional PTFE)
	Cartridge Valve Body : PVDF		Tube Adapters : PVDF
	Tube Adapters : PVDF	Suction Foot Valve	Check Balls : Ceramic
Pump Head Inlet / Outlet Valves:	Check Balls : Ceramic		Ball Seat O-Ring : TFE/P (optional EP)
	Ball Seat O-Ring : TFE/P (optional EP)		Static Seal O-Ring : Viton® (optional EP)
	Static Seal O-Ring : Viton® (optional EP)		Body & Insert : Polypropylene (optional PVDF, PTFE)
Suction Tubing:	Clear PVC		Check Ball : Ceramic (optional PTFE poppet)
Flow Indicator:	Clear PVC Body, Glass Ball (Carwash models use 316 SS ball)	Injection / Check Valve:	Spring : Hastelloy C-276
Discharge Tubing:	Natural Polyethylene (LLDPE)		Ball Seat O-Ring : TFE/P (optional EP)
	Body & Tubing Adapter : PVC		Static Seal O-Ring : Viton® (optional EP)
Suction Strainer:	Strainer : Polypropylene		

Dimensions

Dim	Inch	cm
A	4.50"	11.43
B	9.06"	23.01
C	5.75"	14.61
D	2.30"	5.84



Performance

CHEM-FEED® C-1500N Diaphragm Pump

NOTE: All tests performed after approximately 30 minutes tube break-in period.

Maximum output vs. Pressure

