

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%
- > Mechanically driven diaphragm provides reliable flow
- > Double ball check cartridges enhance reliability and repeatability



Highlights

Flow range

.3 - 9.5 GPH
.6 - 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

1 Year

Control Methods / Flow Options

	Manual On/Off Control	Motor Speeds	Stoke Lengths	Diaphragm Sizes
C-1500N	•	4	4	2



Engineering Specifications

C-1500N

Max. working pressure:	125 psig (8.6 bar) (refer to pump curves for exact specifications)
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 (.29 Amp Maximum)
	24VAC/60Hz, 1ph (3.4 Amp Maximum)
Power Cord Options:	115V60Hz = NEMA 5/15 (USA)
	230V60Hz = NEMA 6/15 (USA)
	220V50Hz = CEE 7/VII (EU)
	240V50Hz = AS 3112 (AU)
Motor:	AC shaded pole
Duty cycle:	Continuous
Stroke adjustment range	5% – 100% (20:1)
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:	13 lb. (3.63 Kg)
RoHS Compliant:	Yes
Standards:	NSF 50, cETLus, CE

Output Specifications

Model Number	Max Strokes Per Minute	Diaphragm	Stroke length	Maximum Output at 0 PSI				Max PSI
				Inch	GPD	GPH	LPH	
C15N102X026V00	30	small	.055	8.3	0.3	1.3	0.7	125
C15N302X026V00	60	small	.055	16.3	0.6	2.5	1.4	125
C15N202X000V00	45	large	.055	26.6	1.1	4.2	2.4	125
C15N402X026V00	125	small	.055	34.2	1.4	5.4	3.0	25
C15N201X000V00	45	large	.125	60.7	2.5	9.6	5.4	125
C15N301X000V00	60	large	.125	72.0	3.0	11.3	6.4	60
C15N402X000V00	125	large	.055	68.4	2.8	10.8	5.9	125
C15N303X000V00	60	large	.187	112.8	4.7	17.9	10.1	60
C15N401X000V00	125	large	.125	155.9	6.4	24.6	13.8	20
C15N443X000V00	125	large	.187	228.1	9.5	36.0	20.2	10

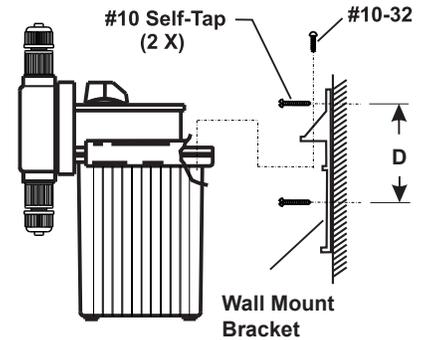
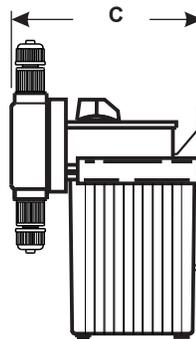
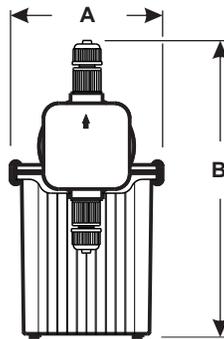
NOTE: For optimum diaphragm life, specify the pump to operate at the lowest possible RPM and pressure.

Wetted Components:

Pump Head:	PVDF		Body & Tubing Adapter : PVDF (optional PTFE)
	Cartridge Valve Body : PVDF		Strainer: Polypropylene
	Tube Adapters : PVDF	Suction Foot Valve/ Strainer	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 : FKM (optional EP)
	Static Seal O-Ring : FKM (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)
			Static Seal O-Ring : FKM (optional EP)

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 Curves

CHEM-FEED® C-1500N Diaphragm Pump

Maximum output vs. Pressure

