

CHEM-FEED® C-1500N SERIES

Diaphragm Metering Pump



Standard Model



Deluxe Model

TWO OUTPUT CONTROL OPTIONS:

Standard Models feature a quick adjusting, high accuracy mechanical **stroke length control**. The pumps efficient design allows for a minimum stroke length of 5%. Minimum recommended output is 5% of maximum.

Deluxe Models feature **stroke length** and electronic **time interval control**. The pumps on time is adjustable from 5-100% of the repeating 5 second time interval. (0.25 - 5.0 sec.) The high frequency of the repeating 5 second time interval, and the extremely accurate mechanical stroke adjustment, result in a higher frequency of small injections per minute. Minimum recommended output is .5% of maximum.

C-1500N Applications

- Water treatment and conditioning.
- Soap, wax and detergent injection.
- Wastewater treatment.
- Biocide feed.
- Rural water systems.
- Cooling tower & boiler treatment.
- Fertilizer and nutrient injection.
- Pool chlorination & PH control.

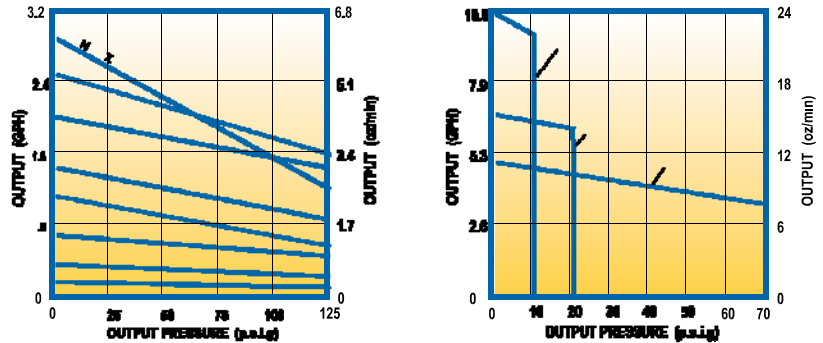
C-1500N Benefits Include

- Superior pump head design.
- Double-ball inlet and outlet cartridge type ceramic check valves.
- PVDF valve body and fitting, ceramic balls, Viton and TFE/P o-rings.
- Teflon coated EP diaphragm.
- All ball bearing, permanently lubricated gear motor for smooth, powerful operation.
- PVDF suction (foot) valve with Viton and TFE/P o-rings, ceramic check ball and removable polypropylene filter screen.
- Includes 3/8" OD suction and discharge tubing, flow indicator and mounting hardware.

C-1500N Specifications

Max. Working Pressure.....	125 psig (8.6 bar)
Max. Fluid Temperature.....	130° F (54° C)
Ambient temp range	14° to 110° F (-10° to 43° C)
Max. viscosity	1000 Centipoise
Max. suction lift	10 ft. Water
Output accuracy	+/- 10% of max. (water 0 psi, 5' suction lift)
Turndown ratio	20:1 Standard models 200:1 Deluxe models
Enclosure	Acceptable for outdoor use. NEMA 3R (IP23)
Amperage draw	115V/60Hz starting .74 / running .45 230V/60Hz starting .36 / running .21 220V/50Hz starting .31 / running .19 24V/60Hz starting 3.4 / running 2.0
O-ring seals	Viton and TFE/P
Dimensions	9-1/2" H x 4-1/2" W x 5-3/4" D
Approximate shipping wt.	8 lb. (3.6 kg)

C-1500N Output vs. Pressure Curves



See model number matrix and parts list drawing on page 19.
See instruction manual at www.blue-white.com for detailed installation and operating requirements.

ORDERING INFORMATION

Standard models with Stroke Adjustment

MAXIMUM OUTPUT AT 0 PSI				Max strokes Per minute	Max PSI	115V/60HZ MODELS		230V/60HZ MODELS		220V/50HZ MODELS*	
GPD	GPH	LPH	OZ/MIN			Model Number	Model Number	Model Number	Model Number		
3.4	0.2	0.5	0.3	14	125	C15N002X026V00	C15N022X026V00	C15N012X026V00			
8.3	0.3	1.3	0.7	30	125	C15N102X026V00	C15N122X026V00	C15N112X026V00			
16.3	0.6	2.5	1.4	60	125	C15N302X026V00	C15N322X026V00	C15N312X026V00			
26.6	1.1	4.2	2.4	45	125	C15N202X000V00	C15N222X000V00	C15N212X000V00			
34.2	1.4	5.4	3.0	125	125	C15N402X026V00	C15N422X026V00	C15N412X026V00			
49.0	2.0	7.7	4.3	45	125	C15N204X000V00	C15N224X000V00	C15N214X000V00			
57.7	2.4	9.1	5.1	60	125	C15N304X000V00	C15N324X000V00	C15N314X000V00			
68.4	2.8	10.8	5.9	125	125	C15N402X000V00	C15N422X000V00	C15N412X000V00			
119.7	4.9	18.9	10.6	125	70	C15N404X000V00	C15N424X000V00	C15N414X000V00			
155.9	6.4	24.6	13.8	125	20	C15N401X000V00	C15N421X000V00	C15N411X000V00			
228.1	9.5	36.0	20.2	125	10	C15N443X000V00	C15N463X000V00	C15N453X000V00			

Standard models with Stroke Adjustment

MIN. - MAX OUTPUT AT 0 PSI			Max strokes Per minute	Max PSI	115V/60HZ MODELS		230V/60HZ MODELS		220V/50HZ MODELS*	
GPH	LPH	OZ/MIN			Model Number	Model Number	Model Number	Model Number		
.007 - 1.4	.027 - 5.40	.015 - 3.00	125	125	C15N402I026V00	C15N422I026V00	C15N412I026V00			
.014 - 2.8	.054 - 10.8	.030 - 5.90	125	125	C15N402I000V00	C15N422I000V00	C15N412I000V00			
.032 - 6.4	.123 - 24.6	.069 - 13.8	125	20	C15N401I000V00	C15N421I000V00	C15N411I000V00			

* Note: 220V/50Hz models deliver approximately 20% less output.

