

# CHEM-FEED® C-1700N SERIES

## Duplex Diaphragm Metering Pump

### C-1700N Standard Features

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. Each pump head is independently controlled.

- 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-1700N 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.



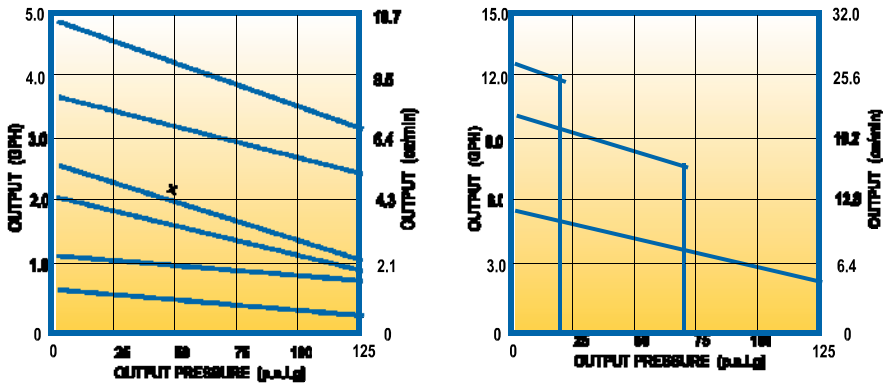
C17N304X000V00



### C-1700N 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 400:1 Deluxe models with optional Time Interval controller
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 7-1/2" W x 4" D
Approximate shipping wt. ....	11 lb. (5.0 kg)

### C-1700N Output vs. Pressure Curves



See model number matrix and parts list drawing on page 21.  
See instruction manual at [www.blue-white.com](http://www.blue-white.com) for detailed installation and operating requirements.

Enter Model Number Above For Pricing

### 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		
14.2	0.6	2.3	1.3	14	125	C17N002X000V00	C17N022X000V00	C17N012X000V00			
28.9	1.2	4.5	2.6	14	125	C17N004X000V00	C17N024X000V00	C17N014X000V00			
50.2	2.1	7.9	4.4	45	125	C17N202X000V00	C17N222X000V00	C17N212X000V00			
62.3	2.6	9.8	5.5	60	125	C17N302X000V00	C17N322X000V00	C17N312X000V00			
89.7	3.7	14.1	8.0	45	125	C17N204X000V00	C17N224X000V00	C17N214X000V00			
119.0	5.0	18.8	10.6	60	125	C17N304X000V00	C17N324X000V00	C17N314X000V00			
133.8	5.5	21.1	11.9	125	125	C17N402X000V00	C17N422X000V00	C17N412X000V00			
243.3	10.1	38.4	21.6	125	70	C17N404X000V00	C17N424X000V00	C17N414X000V00			
304.2	12.6	48.0	27.0	125	20	C17N401X000V00	C17N421X000V00	C17N411X000V00			

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

