

CHEM-FEED® C-1700N DUPLEX HEAD PUMP

The CHEM-FEED® C-1700N Duplex Head Metering Pump features two independently controlled pump heads.

Because of the unique duplex head configuration, motor power is used to maximum efficiency. This is of particular importance for overcoming backpressure. Also, alternating strokes mean double the injections per minute. For example, a 125 RPM delivers 250 injections per minute, or four injections per second. This is of significance for applications requiring a pump approaching a constant, even feed rate, without broad spaces of time between injections.

The C-1700N can be used to inject different amounts of like chemical into separate systems, feed two different chemicals into the same system (blend), or when a single head pump doesn't provide quite enough output.

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 FKM 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 ORDERING GUIDELINES

STANDARD MODEL with Stroke Adjustment

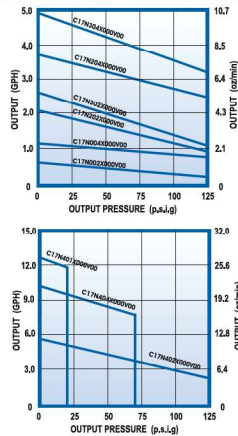
MODEL NUMBER	GPD	MAX OUTPUT @ 0 PSI GPH	MAX OUTPUT @ 0 PSI LPH	MAX OUTPUT @ 0 PSI OZ/MIN	Max Strokes Per minute	MAX PSI
C17N0(*)2X000V00	14.2	0.6	2.3	1.3	14	125
C17N0(*)4X000V00	28.9	1.2	4.5	2.6	14	125
C17N2(*)2X000V00	50.2	2.1	7.9	4.4	45	125
C17N3(*)2X000V00	62.3	2.6	9.8	5.5	60	125
C17N2(*)4X000V00	89.7	3.7	14.1	8.0	45	125
C17N3(*)4X000V00	119.0	5.0	18.8	10.6	60	125
C17N4(*)2X000V00	133.8	5.5	21.1	11.9	125	125
C17N4(*)4X000V00	243.3	10.1	38.4	21.6	125	70
C17N4(*)1X000V00	304.2	12.6	48.0	27.0	125	20

VOLTAGE OPTIONS

(*)Replace: 0=115V/60Hz, 1=220V/50Hz, 2=230V/60Hz
 Note: 220V/50Hz units deliver approximately 20% less output

Please Note: Outputs given are a combined total of both pump heads using pure water at zero gauge pressure.
 All C-1700N are shipped complete with accessory package. Ordering matrix available on request, Order #85000-057.

C-1700N OUTPUT VS. PRESSURE



C-1700N

FLOW INDICATOR

DIAGNOSTIC TOOL FOR CHEMICAL FEED PUMPS

BENEFITS

- > Rhythmic rising and falling of the ball indicates positive flow.
- > Air bubbles indicate chemical has exhausted.
- > Stationary ball indicates no flow. Possible problems could be:
 - lost prime
 - stopped motor
 - plugged injection fitting
 - faulty tube or diaphragm
 - plugged or dirty footvalve filter
 - chemical has been exhausted for a lengthy period of time

APPLICATIONS

- > Glass bobbin for Chlorines and Acids.
- > Stainless Steel bobbin for soaps and waxes (high viscose fluids).

ORDERING GUIDELINES

MODEL NUMBER	Tube Connection	Bobbin Material	Body Material	O-ring
FI-100-4V	1/4" tubing	Glass	Acrylic	FKM
FI-100S-4V	1/4" tubing	Stainless Steel	Acrylic	FKM
FI-100-6V	3/8" tubing	Glass	Acrylic	FKM
FI-100S-6V	3/8" tubing	Stainless Steel	Acrylic	FKM

FOOT VALVE/STRAINER

APPLICATIONS

- > Foot Valve / Strainer (with check valve) is recommended for CHEM-FEED® models C-340A and C-340E.
- > Foot Strainer (no valve) is recommended for FLEXFLO® peristaltic pumps model C-342-6.
- > Capacity of strainer is 300 micron.

ORDERING GUIDELINES

MODEL NUMBER	Tube Connection	(OD) Valve	Body Material	O-ring
C-340A	1/4" and 3/8" tubing	Check Valve	PVDF	
C-340E	1/4" and 3/8" tubing	Check Valve	PVDF	EP
C-342-6	1/4" and 3/8" tubing	No Valve, strainer only	Polypropylene	

