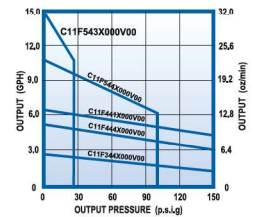


CHEM-FEED® C-1100 SERIES DIAPHRAGM METERING PUMPS



CHEM-FEED® DELIVERS PRECISION, CHEMICAL METERING AND SMOOTH, POWERFUL OPERATION.

C-1100 OUTPUT VS. PRESSURE



DELUXE C MODEL
with Stroke Length & Time Interval Control

CHEM-FEED® BENEFITS

- Superior pump head design.
- Max feed rate of 15 GPH (56.8 LPH).
- All ball bearing, permanently lubricated gear motor for smooth, powerful operation.
- Efficient, dependable design – each unit is factory tested.
- Private labeling for volume purchasers.*
- 3/8" OD x 1/4" ID tubing connections.
- Pump head design and material options

CHEM-FEED® 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.

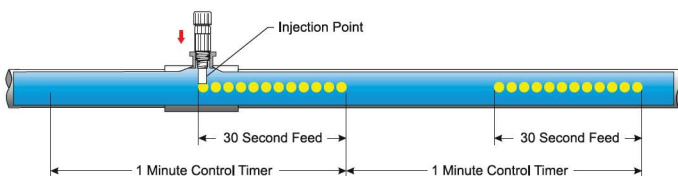
CHEM-FEED® SPECIFICATIONS

- Max. Working Pressure 150 psig (10.3 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 0 psig
- Output accuracy +/- 1% full scale repeatability
- Turndown ratio 20:1 Standard Fixed Models
400:1 Deluxe Fixed Models
4000:1 Digital Fixed Models
400:1 Variable Speed Models
- Enclosure Acceptable for outdoor use. NEMA 3R (IP23)
- Amperage draw 115V/60Hz start 1.37 / run .35
230V/60Hz ... start 0.57 / run .18
220V/50Hz ... start 0.49 / run .23
- O-ring seals FKM and TFE/P (Optional EP)
- Dimensions 6-1/4" H x 10" W x 9-1/4" D
- Approximate shipping wt. ... 12 lb. (5.4 kg)

CHEM-FEED® FIXED SPEED vs. VARIABLE SPEED

FIXED SPEED MODELS (intermittent cycle time output)

You control the pumps feed by using timers (built-in or external). See image below.

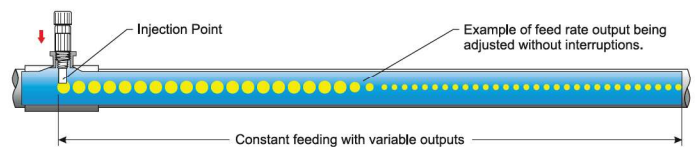


Most fixed speed outputs can be adjusted by simply:

- 1) Selecting the pump head diaphragm size.
- 2) Manual stroke length adjustment (cam style).
- 3) Choosing the desired RPM (revolutions per minute).

VARIABLE SPEED MODELS (continuous pulse free output)

Continuous pumping, even while adjusting the percentage of output. See image below.



Graphical representation of the Variable Speed and Fixed Speed peristaltic pump injection characteristics.

NOTE: Your chemical or solution is mixed in the fluid. This image is only illustrating the feed characteristics.

* Provided purchase requirements are met.



STANDARD X MODEL
with Stroke Adjustment



DELUXE C MODEL
with Stroke Length & Time Interval Control



Standard Model

CHEM-FEED® STANDARD X MODEL FIXED SPEED

Features a quick-adjusting, high accuracy mechanical stroke length control. The efficient design of the pump allows for a minimum stroke length of 5%. Maximum recommended output is 5% of maximum.

Deluxe Models

CHEM-FEED® DELUXE C MODEL FIXED SPEED

Features 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 seconds). 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.



DIGITAL V MODEL - VARIABLE SPEED UNIT
with Stroke Length & 4-20mA, 0-10dc,
and Pulse Input Speed Control



CHEM-FEED® DELUXE F MODEL VARIABLE SPEED

Stroke length and analog speed control. The pumps' speed is adjustable from 5-100% of the maximum using a dial knob style controller. The minimum recommended output is .25% of the maximum. No special input signal connectors to purchase. Model features a 1 amp alarm output.

Digital Models

CHEM-FEED® DIGITAL E MODEL FIXED SPEED

Features stroke length, electronic user programmable time interval. Interval lengths are user programmable from 0.1 to 99 seconds, in 0.1 increments, with external interval control. The unit accepts pulse inputs (programmable from 1-9900) which can trigger programmable timed chemical injection batches from 0.1-99 seconds in duration. Analog signals can be used to remotely vary the interval timer's on-time adjustment.

CHEM-FEED® DIGITAL V MODEL VARIABLE SPEED

Features stroke length, manual digital percentage and external input signal speed control. The unit accepts pulse inputs from 1-999Hz and 4-20mA or 0-10VDC analog input signals. The minimum and maximum speed at the minimum and maximum input values can be programmed using the digital LCD display. Flow verification sensor option is available. No special input signal connectors to purchase. Model features a 1 amp alarm output.

CHEM-FEED® ORDERING GUIDELINES ALL MODELS

MODEL NUMBER	MAX OUTPUT AT 0 PSI				Max Strokes Per minute	MAX PSI
	GPD	GPH	LPH	OZ/MIN		
C11(*)3(**)4X000V00	57.7	2.4	9.1	5.1	60	150
C11(*)4(**)4X000V00	119.7	4.9	18.9	10.6	125	150
C11(*)4(**)1X000V00	155.9	6.4	24.6	13.8	125	150
C11(*)5(**)4X000V00	260.8	10.8	41.1	23.1	250	100
C11(*)5(**)3X000V00	360.0	15.0	56.8	32.0	250	25

MODEL OPTIONS

(*)Replace:

X= STANDARD X MODELS with Stroke Adjustment

C=DELUXE C MODELS with Stroke and Time Adjustment

E=DIGITAL E MODELS with Stroke, Pulse, and 4-20mA Adjustment

F=DELUXE F MODELS with Stroke and Dial Knob Speed Adjustment (Variable Speed)

V=DIGITAL V MODELS with Stroke, Pulse, and 4-20mA Analog Speed Adjustment (Variable Speed)

VOLTAGE OPTIONS

(*)Replace: 4=115V/60Hz, 5=220V/50Hz, 6=230V/60Hz, 7=240V/50Hz

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