

C-600HV

CHEM-FEED® Diaphragm Pump



Features

- > All ball bearing, permanently lubricated gear motor for smooth, quiet, powerful operation.
- > High volume diaphragm pump
- > Stroke adjustment from 4-100% permits accurate small injections at a high rate per minute.
- > Fixed speed
- > Mechanical cam



Highlights

Flow range

1.74 - 47.1 GPH
6.6 - 178.3 LPH

Pressures

20 PSI
(1.4 bar)

Turndown ratio

27 : 1

Max. suction lift

10 ft. Water 0 psig

Motor

AC Shaded Pole
Motor

Warranty

1 Year



Max. Working Pressure	20 psig (1.4 bar)
Max. Fluid Temperature	130 °F (54 °C)
Max. Ambient Temperature	14 °F to 110 °F/ -10 to 43 °C
Max. Viscosity	1,000 Centipoise
Max. Suction Lift	10 ft. Water at 0 psig
Output Adjustment Range	4-100% stroke length
Operating Voltage	115VAC/60Hz, 1ph (.74 amp maximum)
	230VAC/60Hz, 1ph (.36 amp maximum)
	220VAC/50Hz, 1ph (.31 amp maximum)
	24VAC/60Hz, 1ph (3.40 amp maximum)
	12VDC (3.00 amp maximum)
	24VDC (1.50 amp maximum)
Duty Cycle	Continuous
Power Connection	Junction box for field wiring
Approximate Shipping Weight	8 lb. (3.6kg)
Enclosure	NEMA 1 (IP20) powder coated zinc
RoHS Compliant	Yes
Standards	NSF/ANSI 50, UL, CSA, CE

Output Specifications

DC powered models

Maximum Output at 0 PSI				Strokes/Min	Max PSI
GPD	GPH	LPH	OZ/MIN		
268	11.2	42.4	23.8	60	20
568	23.7	89.7	50.5	125	10
1,129	47.1	178.3	100.4	250	5

AC powered models

Maximum Output at 0 PSI				Strokes/Min	Max PSI
GPD	GPH	LPH	OZ/MIN		
189	7.8	29.5	16.8	60	20
398	16.5	32.4	35.3	125	10
791	32.9	124.5	70.3	250	5

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

Wetted Components:

Pump Head:

Acrylic

Tube adapters: PVC

Valve Poppit: EP (optional Viton)

Pump Head Inlet/Outlet Valves:

Adapter O-ring: EP (optional Viton)

Poppit spring: Hastelloy C-276

Suction Tubing:

Clear PVC

Discharge Tubing:

Clear PVC

Suction Strainer:

Body & Tubing adapter: PVC

Strainer: Polypropylene

Injection Fitting:

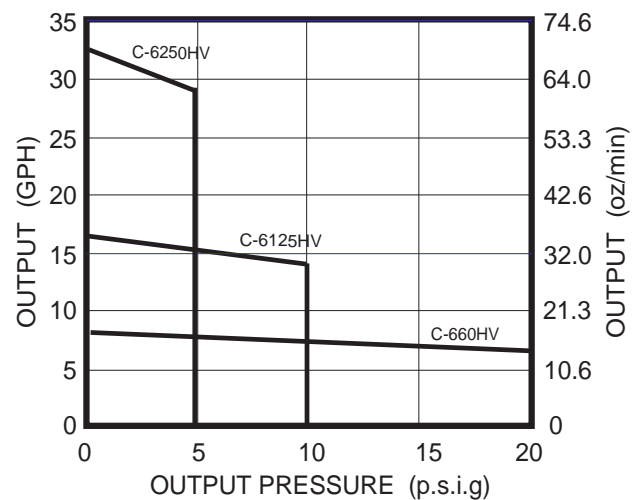
PVC

Performance

CHEM-FEED® C-600HV Diaphragm Pump

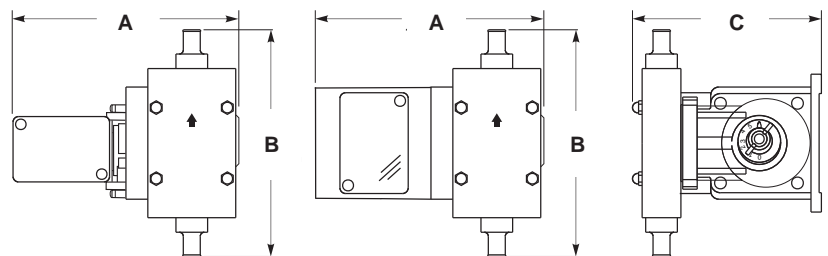
AC Powered Units

Maximum Output vs. Pressure Curve



Dimensions

Dim	DC Powered Models		AC Powered Models	
	Inch	cm	Inch	cm
A	7-7/32	18.3	6-3/4	17.15
B	7	17.78	7	17.78
C	6-1/8	15.55	6-1/8	15.55



DC Powered Models

AC Powered Models

Model Number Matrix

C-600HV

Model Number

C-6	CHEM-FEED® High Volume (HV) Diaphragm Model Number		
Maximum Motor RPM*			
60	60 RPM		
125	125 RPM		
250	250 RPM		
Power Supply Voltage			
115VAC	115V60Hz	240VAC	240V60Hz
220VAC	220V50Hz (20% less output)	12VDC	12V DC
230VAC	230V60Hz	24VDC	24V DC
C-6	60	HV	115VAC
Sample Model Number			

NOTE: See the output specifications below.

Optional Accessories and Components

C-3106NV FKM Diaphragm
 F-5012V FKM O-ring (2 req.)
 C-926V FKM Check (2 reqd.)
 90010-110 Power Cord with Plug, 115V