

C-600P

CHEM-FEED® Diaphragm Metering Pump



Features

- > All ball bearing, permanently lubricated gear motor for smooth, quiet, powerful operation
- > Double-ball inlet and outlet cartridge type ceramic check valves
- > Stroke adjustment from 4-100% permits accurate small injections at a high rate per minute
- > Fixed speed
- > Mechanical cam



Highlights

Flow range

1 - 21.5 GPH
4 - 81.4 LPH

Pressures

125 PSI
(8.6 bar)

Turndown ratio

27 : 1

Max. suction lift

10 ft. Water 0 psig

Motor

AC Shaded Pole
Motor

Warranty

1 Year



Engineering Specifications

C600P

Max. Working Pressure:	125 psig (8.6 bar)
Max. Fluid Temperature:	130° F (54° C)
Max. Ambient Temperature:	14 to 110° F/ -10 to 43° C
Max. Viscosity:	1,000 Centipoise
Max. Suction Lift:	10 ft. Water at sea level (14.7 atm psi)
Operating Voltage:	115VAC/60Hz, 1ph (.74 Amp Maximum)
	230VAC/60Hz, 1ph (.36 Amp Maximum)
	220VAC/50Hz, 1ph (.31 Amp Maximum)
	240VAC/50Hz, 1ph (.27 Amp Maximum)
	24VAC/60Hz, 1ph (3.40 Amp Maximum)
	12VDC (3.00 Amp Maximum) (not available for 45rpm or 250rpm model)
Power Connection:	Junction box for field wiring (except for 200V models)
	220V models include power cord/plug, and do not include junction box
Motor:	AC shaded pole
Duty Cycle:	Continuous
Output Adjustment Range:	4% – 100% stroke adjustment
Enclosure:	NEMA 1 (IP20) powder coated zinc
Approximate shipping wt:	8 lb. (3.63 Kg)
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		
33	1.4	5.3	2.9	14	125
74	3.1	11.7	6.5	30	125
112	4.7	17.8	10.0	45	80
148	6.2	23.5	13.2	60	60
316	13.2	49.9	28.1	125	30
516	21.5	81.4	45.8	250	10

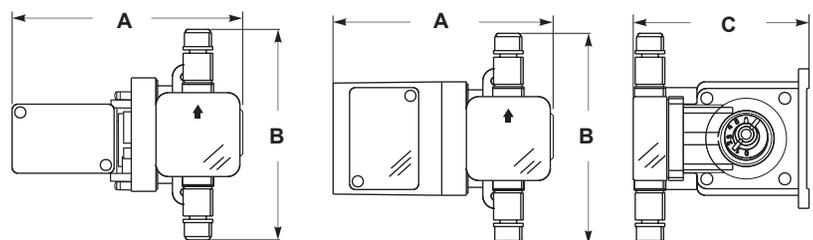
AC powered models

Maximum Output at 0 PSI				Strokes/Min	Max PSI
GPD	GPH	LPH	OZ/MIN		
24	1.0	3.8	2.7	14	125
58	2.4	9.3	5.2	30	125
91	3.8	14.9	8.1	45	80
110	4.6	17.4	9.8	60	60
237	9.9	37.0	21.1	125	30
389	16.2	61.4	34.6	250	10

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

Dimensions

Dim	DC Powered Models		AC Powered Models	
	Inch	cm	Inch	cm
A	7-7/32	18.3	10-1/4	26
B	6-1/4	15.88	7-1/2	19
C	5-5/16	13.49	14	35.6



DC Powered Models

AC Powered Models

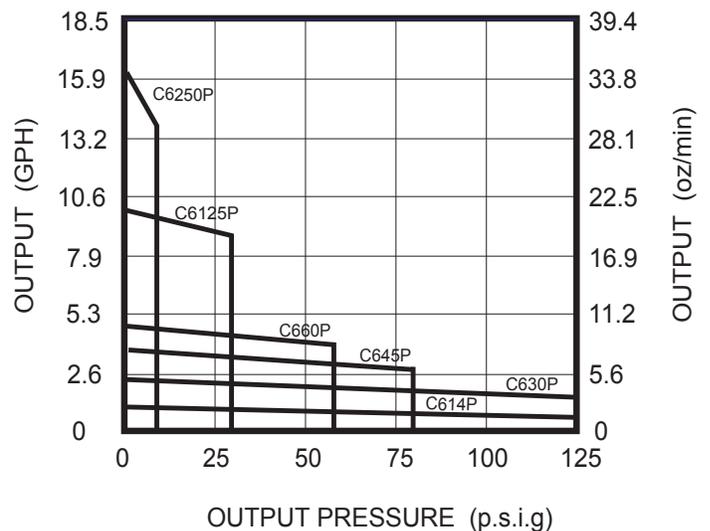
Wetted Components:

Pump Head:	PVDF
Diaphragm:	PTFE Coated EP
	Cartridge Valve Body: PVDF
	Tube Adapters: PVDF
Pump Head Inlet/Outlet Valves:	Check Balls: Ceramic
	Ball Seat O-ring: TFE/P (optional EP)
	Static Seal O-ring: FKM (optional EP)
Suction Tubing:	Clear PVC
Discharge Tubing:	Natural Polyethylene (LLDPE)
	Body & Tubing adapter: PVDF (optional PTFE)
	Strainer: Polypropylene
Suction Footvalve/Strainer:	Check Ball : Ceramic (optional PTFE poppet)
	Ball Seat O-ring: TFE/P (optional EP)
	Static Seal O-ring: FKM (optional EP)
	Body & Insert: Polypropylene (optional PVDF, PTFE)
	Check Ball: Ceramic (optional PTFE poppet)
Injection/Check Valve:	Spring: Hastelloy C-276
	Ball Seat O-ring: TFE/P (optional EP)
	Static Seal O-ring: FKM (optional EP)

Performance

CHEM-FEED® C-600P Diaphragm Metering Pump

Maximum Output vs. Pressure Curve



Model Number Matrix

C600P

Model Number

C-6 CHEM-FEED® Diaphragm Model Number					
Maximum Motor RPM					
14	14 RPM	60	60 RPM		
30	30 RPM	125	125 RPM		
45	45 RPM (Not available in 12V DC)	250	250 RPM (Not available in 12V DC)		
Power Supply Voltage¹					
115VAC	115V60Hz	24VAC	24V60Hz		
220VAC	220V50Hz (20% less output)	12VDC	12V DC		
230VAC	230V60Hz	24VDC	24V DC		
240VAC	240V50Hz				
C-6	14	P	-	115VAC	Sample Model Number

1. All models come with junction box only for wiring, except 220V models which include power cord/plug only.

Optional Accessories and Components

70000-193 PTFE coated FKM diaphragm
 90010-110 Power Cord with Plug, 115V
 K-568A-4 Bullet Valve (Double Ball), Aflas - 4 Pack
 K-568E-4 Bullet Valve (Double Ball), EP - 4 pack

Visit Accessory Pages for More Options

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60	60	110	4.6	17.4	9.8
125	30	237	9.9	37.0	21.1
250	10	389	16.2	61.4	34.6