

# CHEM-FEED<sup>®</sup> Diaphragm Metering Pumps

## CHEM-FEED<sup>®</sup> C-600P Diaphragm Metering Pump

THE CHEM-FEED<sup>®</sup> C-600P DIAPHRAGM METERING PUMP is a simple and economical solution to a wide range of commercial and industrial fluid process applications. This compact pump features an all-ball bearing, permanently lubricated gear motor for smooth, powerful, and quiet operation. Stroke adjustment from 4-100% permits accurate small injections at a high rate per minute.

### CHEM-FEED<sup>®</sup> C-600P FEATURES:

#### BENEFITS

- All ball bearing, permanently lubricated gear motor for smooth, quiet, powerful operation.
- Double-ball inlet and outlet cartridge type ceramic check valves. Chemical resistant PVDF pump head, valve body and fittings, ceramic balls, FKM static seals and TFE/P ball seat orings. No metal springs are used.
- Outputs to 516 GPD.
- Output pressures to 125 PSI.
- Stroke adjustment from 4-100% permits accurate small injections at a high rate per minute. 27:1 turndown.
- PTFE coated Ethylene Propylene diaphragm can handle a wide variety of applications.
- Durable metal epoxy coated construction.
- PVDF suction (foot) valve with FKM and TFE/P o-rings, ceramic check ball and removable polypropylene filter screen.
- Includes 3/8" OD x 1/4" ID suction and discharge tubing, Injection fitting with spring-loaded check valve and all mounting hardware.

### CHEM-FEED<sup>®</sup> C-600P SPECIFICATIONS:

**Max. working pressure:**  
125 psig (8.6 bar)

**Maximum Fluid Temperature**  
130° F (54° C)

**Maximum Ambient Temperature**  
14 to 110° F/ -10 to 43° C

**Maximum Viscosity**  
1,000 Centipoise

**Maximum 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)  
24VAC/60Hz, 1ph (3.40 Amp Maximum)  
12VAC/60Hz, 1ph (3.00 Amp Maximum)  
24VAC/50Hz, 1ph (1.50 Amp Maximum)



**Power Connection**  
Junction box for field wiring

**Motor**  
AC shaded pole

**Duty Cycle** Continuous

**Output Adjustment Range**  
4% – 100% motor speed

**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

### C-600P Ordering Matrix

C-6 CHEM-FEED<sup>®</sup> Diaphragm Model Number

#### Maximum Motor RPM\*

14	14 RPM	60	60 RPM
30	30 RPM	125	125 RPM
45	45 RPM	250	250 RPM

#### Power Supply Voltage

115VAC	115V60Hz	24VAC	24V60Hz
220VAC	220V50Hz (20% less output)	12VDC	12V DC
230VAC	230V60Hz	24VDC	24V DC

C-6 14 P - 115VAC Sample Model Number

#### 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

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PUMPS & FILTRATION

## CHEM-FEED® C-600P Diaphragm Metering Pump

THE CHEM-FEED® C-600P DIAPHRAGM METERING PUMP is a simple and economical solution to a wide range of commercial and industrial fluid process applications. This compact pump features an all-ball bearing, permanently lubricated gear motor for smooth, powerful, and quiet operation. Stroke adjustment from 4-100% permits accurate small injections at a high rate per minute.

### CHEM-FEED® C-600P FEATURES:

#### BENEFITS

- All ball bearing, permanently lubricated gear motor for smooth, quiet, powerful operation.
- Double-ball inlet and outlet cartridge type ceramic check valves. Chemical resistant PVDF pump head, valve body and fittings, ceramic balls, FKM static seals and TFE/P ball seat orings. No metal springs are used.
- Outputs to 516 GPD.
- Output pressures to 125 PSI.
- Stroke adjustment from 4-100% permits accurate small injections at a high rate per minute. 27:1 turndown.
- PTFE coated Ethylene Propylene diaphragm can handle a wide variety of applications.
- Durable metal epoxy coated construction.
- PVDF suction (foot) valve with FKM and TFE/P o-rings, ceramic check ball and removable polypropylene filter screen.
- Includes 3/8" OD x 1/4" ID suction and discharge tubing, Injection fitting with spring-loaded check valve and all mounting hardware.

### CHEM-FEED® C-600P SPECIFICATIONS:

**Max. working pressure:**  
125 psig (8.6 bar)

**Maximum Fluid Temperature**  
130° F (54° C)

**Maximum Ambient Temperature**  
14 to 110° F/-10 to 43° C

**Maximum Viscosity**  
1,000 Centipoise

**Maximum 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)  
24VAC/60Hz, 1ph (3.40 Amp Maximum)  
12VAC/60Hz, 1ph (3.00 Amp Maximum)  
24VAC/50Hz, 1ph (1.50 Amp Maximum)



#### Power Connection

Junction box for field wiring

#### Motor

AC shaded pole

#### Duty Cycle

Continuous

#### Output Adjustment Range

4% – 100% motor speed

#### 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

## C-1500N Ordering Matrix

C15N	0	Sample Model Number
<b>Maximum Motor RPM</b>		
1 = 30 RPM		
2 = 45 RPM		
3 = 60 RPM		
4 = 125 RPM		
<b>Power Supply (motor protection)</b>		
0 = 115V60Hz(IP)    7 = 24V50Hz(none)*		
1 = 220V50Hz (20% less output) (IP)		
2 = 230V60Hz (IP)		
3 = 24V60Hz (IP)		
4 = 115V60Hz(TP)		
5 = 220V50Hz(TP)		
6 = 230V60Hz(TP)		
8 = 240V50Hz(TP)		
IP = Impedance protection, TP = Thermal protection *Intermittent duty only		
<b>Cam Stroke Length</b>		
1 = .125"		
2 = .055"		
3 = .187"		
4 = .100"		
<b>Output Control &amp; Electrical</b>		
X = Standard Equipment		
A = Junction Box Replaces Power Cord		
<b>Pump Head Material</b>		
0 = Injection molded PVDF		
		<b>Footvalve</b>
		0 = C-340 (PVDF/Polypropylene)
		1 = C-340 (PVDF/Polypropylene - bulkhead mount)
		<b>Injection Fitting</b>
		0 = A-014N (Polypropylene - 1/2 lb spring)
		1 = C-395N (Polypropylene - 6 lb spring)
		7 = A-014PN (PP1/2 lb short depth)
		8 = C-395PN (PP 6 lb spring)
		X = None
		<b>Elastomer Material</b>
		V = Viton
		E = EP
		<b>Diaphragm Style</b>
		0 = Lg. PTFE/EP
		6 = Sm. PTFE/EP
		<b>Pump Head Style</b>
		0 = Lg. Diaphragm
		2 = Sm. Diaphragm
		4 = Lg. Diaphragm Carwash
		6 = Sm. Diaphragm Carwash
		<b>Optional Accessories and Components</b>
		C-340-6T PTFE Foot Valve
		A-014NK-6A PVDF Injector (1/2 psi spring)
		C-395NK-6A PVDF Injector (6 psi spring)
		C-406VT-15N Large Diaphragm, PTFE/Viton
		R-106VT-15N Small Diaphragm PTFE/Viton
		Contact Factory for alternate bullet cartridge options

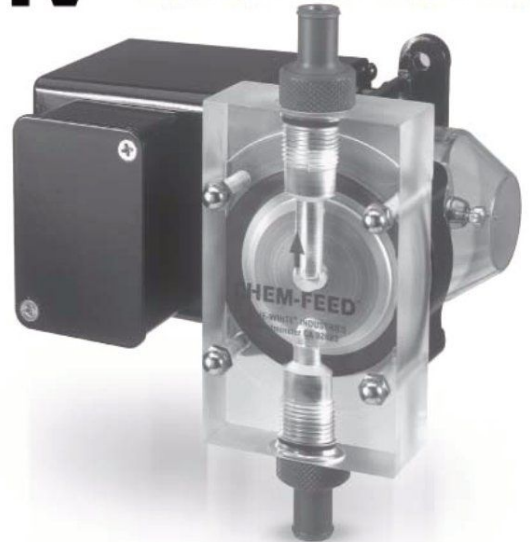
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# CHEM-FEED<sup>®</sup> Diaphragm Metering Pumps

## CHEM-FEED<sup>®</sup> C-600HV Diaphragm Metering Pump

**THE CHEM-FEED<sup>®</sup> C600HV (HIGH VOLUME) DIAPHRAGM METERING PUMP** is a simple and economical solution to a wide range of commercial and industrial fluid process applications. This compact pump features an all ball bearing, permanently lubricated gear motor for smooth, powerful, and quiet operation. Stroke adjustment from 4-100% permits accurate small injections at a high rate per minute.



### C-600HV Ordering Matrix

**C-6** CHEM-FEED<sup>®</sup> High Volume (HV) Diaphragm Model Number

#### Maximum Motor RPM\*

<b>60</b>	60 RPM
<b>125</b>	125 RPM
<b>250</b>	250 RPM

#### Power Supply Voltage

<b>115VAC</b>	115V60Hz	<b>240VAC</b>	240V60Hz
<b>220VAC</b>	220V50Hz (20% less output)	<b>12VDC</b>	12V DC
<b>230VAC</b>	230V60Hz	<b>24VDC</b>	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 req.)  
 90010-110 Power Cord with Plug, 115V