

C-600HV

Fixed Speed

Mechanical Cam

Output Adjustment



Features:

- All ball bearing, permanently lubricated gear motor for smooth, quiet, powerful operation.
- Solid, clear acrylic pump head with large high-output diaphragm.
- EP diaphragm.
- Outputs to 791 GPD.
- Output pressures to 20 PSI.
- Stroke adjustment from 4-100% permits accurate small injections at a high rate per minute. 27:1 turndown
- Durable metal epoxy coated construction.
- PVC suction strainer with removable polypropylene filter screen.
- Includes 1/2" ID clear PVC suction and discharge tubing, PVC Injection fitting and all mounting hardware.

Specifications:

Max. working pressure:20 psig (1.4 bar)

Max. fluid temperature:130° F (54° C)

Max. ambient temperature:14° to 110° F / -10° to 43° C

Maximum viscosity:1,000 Centipoise

Maximum suction lift:10 ft. Water 0 psig

Output adjustment range:4-100% stroke length

Duty cycle:Continuous

Enclosure:NEMA type 1, (IP20)

Voltage (amp draw):115VAC/60Hz, 1ph (.74 amp max)

230VAC/60Hz, 1ph (.36 amp max)

220VAC/50Hz, 1ph (.31 amp max)

24VAC/60Hz, 1ph (3.40 amp max)

12VDC (3.00 amp max)

24VDC (1.50 amp max)

Power Connection:Junction box for field wiring

Approximate shipping wt:8 lb. (3.6 kg)

Materials of Construction:

Wetted components:

Pump Head:Acrylic (optional PTFE)

Pump Head Inlet/outlet Valves:

Tube adapters:PVC

Valve Poppit:EP (optional Viton)

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

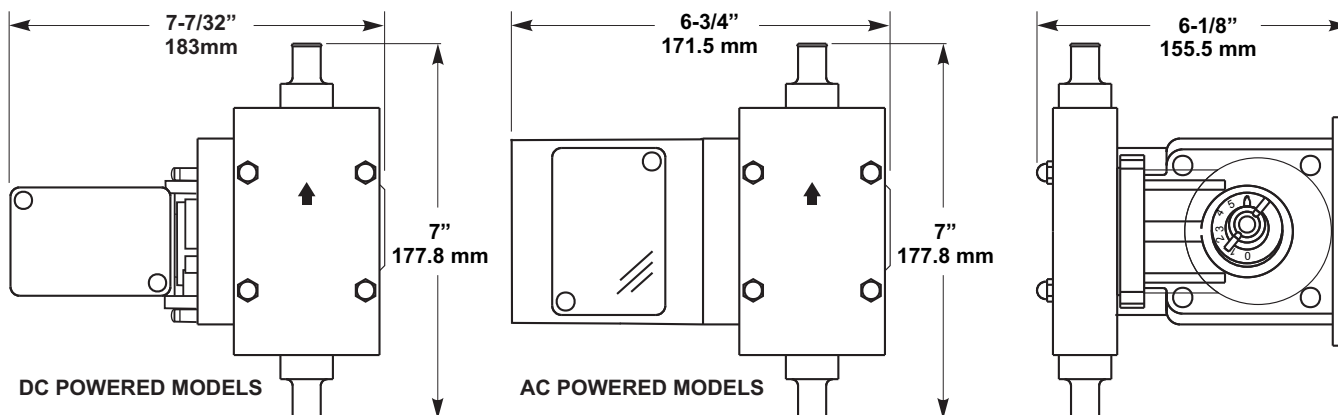
Strainer:Polypropylene

Injection Fitting:PVC

Blue-White Industries, Ltd.

CHEM-FEED® Diaphragm Metering Pumps

Dimensions:



Model Number Matrix:

MODEL C-6 HV -

Maximum Motor RPM
60 = 60 RPM
125 = 125 RPM
250 = 250 RPM
Pump Head / Wet Parts
P = Heavy duty cartridge style polypropylene head
HV = High volume output acrylic head
Power Supply Voltage
115VAC = 115V60Hz
220VAC = 220V50Hz (20% less output)
230VAC = 230V60Hz
24VAC = 24V60Hz
12VDC = 12V DC
24VDC = 24V DC

Flow rate and pressure capacities:

AC powered models:

Max Output at 0 PSI				Strokes	Max	115V/60Hz	230V/60Hz	220V/50Hz*
GPD	GPH	LPH	OZ/MIN	Per minute	PSI	Model Number	Model Number	Model Number
189	7.8	29.5	16.8	60	20	C-660HV-115VAC	C-660HV-230VAC	C-660HV-220VAC
398	16.5	32.4	35.3	125	10	C-6125HV-115VAC	C-6125HV-230VAC	C-6125HV-220VAC
791	32.9	124.5	70.3	250	5	C-6250HV-115VAC	C-6250HV-230VAC	C-6250HV-220VAC

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

DC powered models:

Max Output at 0 PSI				Strokes	Max	12V DC	24V DC
GPD	GPH	LPH	OZ/MIN	Per minute	PSI	Model Number	Model Number
268	11.2	42.4	23.8	60	20	C-660HV-12VDC	C-660HV-24VDC
568	23.7	89.7	50.5	125	10	C-6125HV-12VDC	C-6125HV-24VDC
1,129	47.1	178.3	100.4	250	5	C-6250HV-12VDC	C-6250HV-24VDC

Maximum Output vs. Pressure Curve

