

New! 2007
Available Now

C3 series

- Diaphragm Failure Detection
- Variable Speed
- Washdown
- 2 Year Warranty



Features:

- Output, Feed Rate (dosing) up to:
 - 42 GPH, 1,004 GPD
 - 158 LPH, 3,802 LPD
- Output pressures to 175 PSI.
- Operator friendly digital touch pad.
 - Easy to read Back Lit LCD display
 - Display Diaphragm Failure Alarm
- Oversized PVDF double ball valves.
- DFD, Built-in Diaphragm Failure Detection system. Senses chemical in the pump head, shuts off the pump.
- Priming / degassing valve built into the pumphead
- Suction tube (8 feet), priming tube (6 feet), injection fitting, foot valve, and mounting brackets supplied with each pump.
- NEMA 4X and IP66 rated enclosure

Specifications:

- Max. working pressure:175 psig (12.1 bar)
- Max. fluid temperature:130° F (54° C)
- Max. ambient temperature:14° to 115° F (-10° to 46.1° C)
- Output adjustment range:1-100% in 1% increments
- Turndown Ratio100:1
- Accuracy +/- 2% full scale
- Duty cycle:Continuous
- Maximum viscosity:1,000 Centipoise
- Maximum suction lift:15 ft. Water, 0 psig (4.5 m, 0 bar)
- Enclosure:NEMA 4X, (IP66)
- Voltage (amp draw):115VAC/60Hz, 1ph (1.5 amp max)
230VAC/60Hz, 1ph (.7 amp max)
220VAC/50Hz, 1ph (1 amp max)
- Power Cord Plug Type:115V60Hz = NEMA 5/15 (USA)
230V60Hz = NEMA 6/15 (USA)
220V50Hz = CEE 7/VII (EU)
- Approximate shipping wt:29 lb.

Materials of Construction:

Wetted components:

- Diaphragm:Teflon®, (Teflon coated Hypalon®)
- Pump Head & adapters:PVDF (natural)
- Injection / Check valve:
 - Body & insert:PVDF (natural)
 - Check Ball:Ceramic
 - Spring:Hastelloy C-276
 - Elastomers (O-ring):Viton® (optional EP)
- Footvalve / Strainer:PVDF / Polypropylene (natural)
- Suction TubingPVC (clear)

Non-Wetted components:

- Enclosure:413 Aluminum (powder coated)
- Pump Head Cover:413 Aluminum (powder coated)
- Cover Screws:300 Stainless Steel
- DFD System Sensor pins:Hastelloy C-276
- Power Cord:3 conductor, SJTW-A Water-resistant
- Mounting BracketsStainless Steel

Series Comparison:

Series	Junction Box	DFD (Leak Detection)	External Communications (input)			Output
			FVS* (Flow Verification sys.)	4-20 mA	0-10 VDC	Alarm Relay 3 Amp
C3F	Optional	✓	✓			✓
C3V	✓	✓	✓	✓	✓	✓

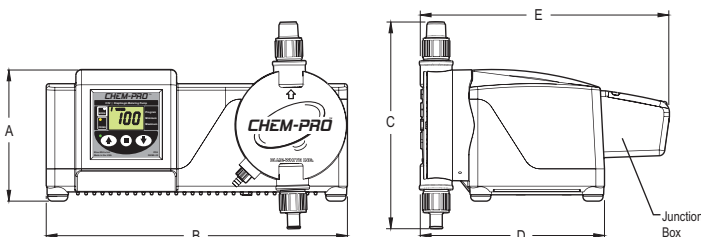
* Requires Micro-Flo Sensor sold separately

ProSeries™ CHEM-PRO™ Diaphragm Metering Pump

Blue-White Ind.

Engineering and Technical Data Sheet

Dimensions:



Dim	Inches	mm
A	5-3/4"	144.8
B	13-1/8"	332.7
C	9"	228
D	8"	203.2
E	10-3/4"	274.3
Shipping weight = < 29lb.		

Model Number Matrix:

MODEL C3

Output Control	
F	Standard (ships without junction box)
V	Deluxe (ships with junction box)
Max Strokes per Minute	
1	62
2	130
Input Voltage	
4	115V 60Hz
5	230V 60Hz
6	220V 50Hz
CAM Stroke Length	
1	.060" (1.524 mm)
2	.100" (2.54 mm)

Outlet Fitting Connections	
A	Male, 1/2" NPT (ships with Male, 1/2" NPT injection fitting)
B	Female, 1/2" NPT (ships with Male, 1/2" NPT injection fitting)
C	Barb, 1/2" Hose (ships with Barb, 1/2" hose injection fitting)

Elastomer Material (o-rings)	
V	Viton
E	EP

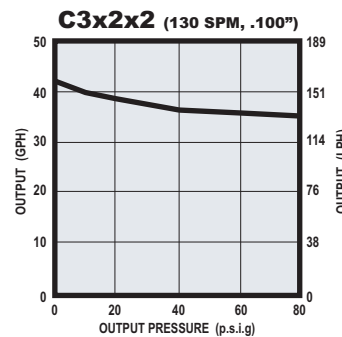
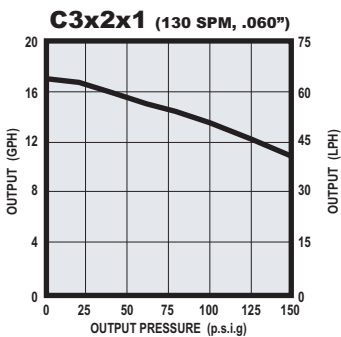
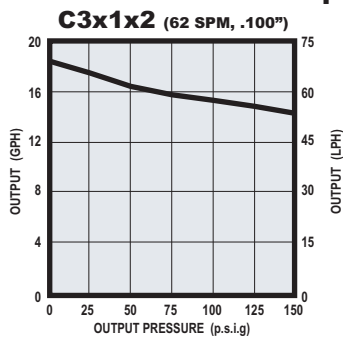
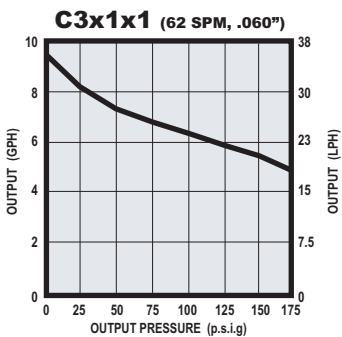
Electrical Options	
X	Standard Equipment (standard power cord based on "input voltage" & junction box based on "output control" selection)
P	Power cord with junction box (this selection only available if you select "F" under "output control")

Note: Foot valve ships with 1/2" Hose Barb as standard

Model Numbers:

Max. Output at 0 PSI	Pressure	Max. PSI	Max. Bar	Max. Output at Max. PSI	Strokes	C3F Series			C3V Series			
						115V/60Hz Model Number	230V/60Hz Model Number	220V/50Hz Model Number	115V/60Hz Model Number	230V/60Hz Model Number	220V/50Hz Model Number	
9.7	36.7	175	12	4.9	18.6	62	C3F141XVA	C3F151XVA	C3F161XVA	C3V141XVA	C3V151XVA	C3V161XVA
18.4	69.7	150	10.3	14.6	55.2	62	C3F142XVA	C3F152XVA	C3F162XVA	C3V142XVA	C3V152XVA	C3V162XVA
19.7	74.6	150	10.3	11.3	42.6	130	C3F241XVA	C3F251XVA	C3F261XVA	C3V241XVA	C3V251XVA	C3V261XVA
42	159	80	5.5	34.7	131.4	130	C3F242XVA	C3F252XVA	C3F262XVA	C3V242XVA	C3V252XVA	C3V262XVA

Maximum Output vs. Pressure



Extended Brackets:

Blue-White's Stainless Steel extended brackets allow the pump to be securely mounted to most any surface; floor, shelf, or skid. The brackets lift the pump up 4-1/2 inches, allowing you to easily connect the suction side of the pump to your solution.

- Raise the metering pump 4-1/2 inches off the ground or a surface.
- Made out of tough Stainless Steel.
- Provides a stable mounting surface.



Item Number	Description
72000-380	Extended Mounting Bracket, 1 Pair, SS, 4 SS Screws