



C2 series

- More Strokes Per Minute**
- Lower Feed Rates**
- Diaphragm Failure Detection**
- Variable Speed**
- Washdown**
- Full Stroke Everytime to Avoid Vapor Lock**



Features:

- Smaller footprint (compared to C3)
- Output Feedrate up to:
 - 30.1 GPH, 1900 ml/min
- Output pressures to 150 PSI (10.34 BAR).
- 166 Strokes per min. (max)
- 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
- NEMA 4X and Ip66 rated enclosure
- 2 Year Warranty

Specifications:

- Max. working pressure:150 psig (10.34 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%
- 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:< 24 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:

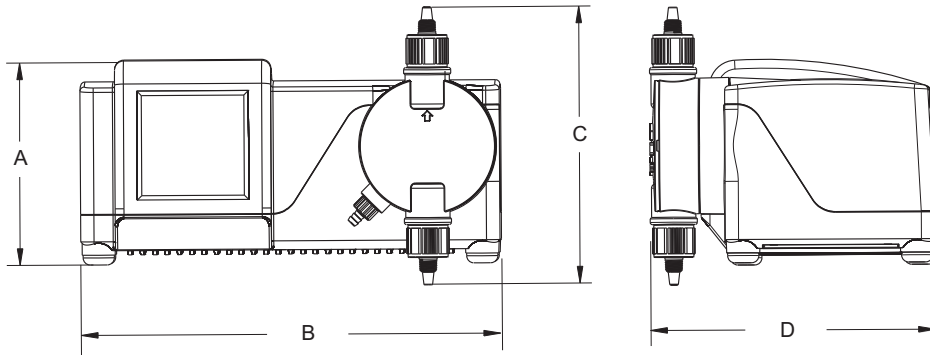
- Enclosure:413 Aluminum (powder coated)
- Pump Head Cover:413 Aluminum (powder coated)
- Cover Screws:300 Stainless Steel
- DFD System Sensor pins:Hastelloy C-276
- Power Cord:3 conductor, SJTW-A Water-resistant
- Mounting BracketsStainless Steel

Series Comparison:

Series	Junction Box	DFD (Leak Detection)	FVS* (Flow Verification sys.)	External Communications (input)			Output
				4-20 mA	0-10 VDC	Pulsed	Alarm Relay 3 Amp
C2F	Optional	✓	✓				✓
C2V	✓	✓	✓	✓	✓	✓	✓

* Requires Micro-Flo Sensor sold separately

Dimensions:



Dim	Inches	mm
A	5-7/8"	148.10
B	11-3/4"	298.45
C	7-3/4"	197.16
D	8"	203.2
Shipping weight = < 24lb.		

Model Number Matrix:

MODEL C2 2 D

Output Control

F = Standard
(ships without junction box)
V = Deluxe
(ships with junction box)

Input Voltage

4 = 115V 60Hz
5 = 230V 60Hz
6 = 220V 50Hz

CAM Stroke Length

1 = .060" (1.52 mm) cam w/ sm diaphragm, max 12.7 GPH
2 = .060" (1.52 mm) cam w/ lg diaphragm, max 20.3 GPH
3 = .040" (1.02 mm) cam w/ sm diaphragm, max 7.13 GPH
4 = .100" (2.54 mm) cam w/ lg diaphragm, max 30.1 GPH

Elastomer Material (o-rings)

V = Viton E = EP

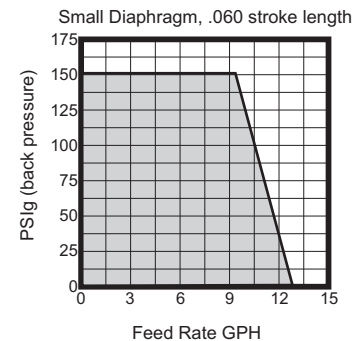
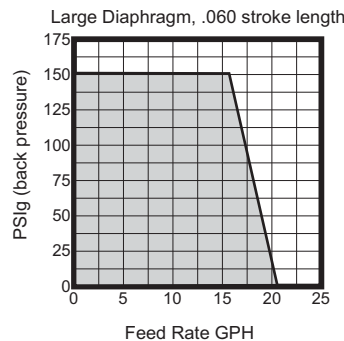
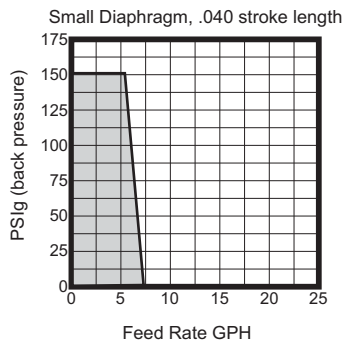
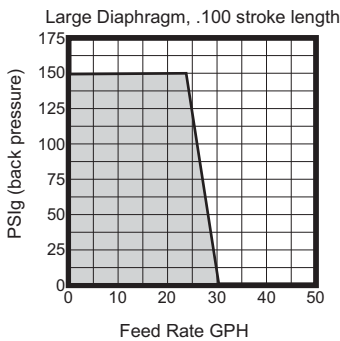
Electrical Options

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")

Included Items

Suction tube (8 feet), priming tube (6 feet),
injection fitting/quill, foot valve, and mounting
brackets supplied with each pump.

Output Curves:



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

