CALL 1-800-577-8111 FOR SALES AND SUPPORT

ProSeries™ CHEM-PRO™ Diaphragm Metering Pump

Blue-White Ind.

Engineering and Technical Data Sheet

C2 series

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

DFD system Diaphragm Failure Detection

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 Ratio.....100:1
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 Tubing.....PVC (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 Brackets.....Stainless Steel

Series Comparison:

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

* Requires Micro-Flo Sensor sold separately

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