

Rennaker, Joanne (DEQ)

From: Matta, Samir <SFMatta@lan-inc.com>
Sent: Tuesday, October 27, 2015 4:12 PM
To: Prysby, Mike (DEQ)
Cc: Brent Wright (bwright@cityofflint.com); Mike Glasgow (MGlasgow@Cityofflint.com)
Subject: FW: Flint WTP PH2 SEG4 - Corrosion Control
Attachments: LMI Series C Pumps.pdf; NSFPhosAcidSpecs.pdf; PhosAcidSafetyDataSheet.pdf; Flint Phosphate Calculations - Revision 4.pdf

Hi Mike,

I have included the updated calculations, Proposed Pump Cut Sheet as well as the MSDS and the fact sheet for the chemical to be used.

Please let me know if this satisfy your needs to issue the permit.

Thanks,

Samir F. Matta, PE
 Team Leader



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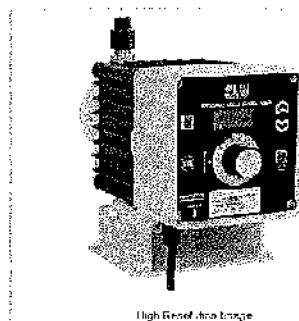
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 Time tested electronics for reliable, repeatable performance
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 Inputs for low level switch available on certain models
 Models with external pacing for flow proportional applications
 Advanced control options for simplified system integration (pulse multiply/divide, 4-20 mA, remote on/off)
 *UL, *CUL, NSF 50, NSF 51, *CE Certifications

Control Codes:

1 - Dual Manual Control (speed and stroke length)

7 - Pulse Input / Dual Manual Control

8 - Pulse/Analog Input / Dual Manual Control

Output Codes with standard liquid end	
Max Capacity:	Max Pressure:
*CX0 - 1.3 GPH (4.8 l/h)	300 psi (20.7 Bar)
*CX1 - 2.5 GPH (9.5 l/h)	150 psi (10.3 Bar)
*CX2 - 4.0 GPH (15.1 l/h)	100 psi (6.9 Bar)
*CX3 - 8.0 GPH (30.3 l/h)	60 psi (4.1 Bar)
*CX4 - 20 GPH (75.7 l/h)	25 psi (1.7 Bar)
C76 - 4.0 GPH (15.1 l/h)	175 psi (12.1 Bar)
C77 - 10.0 GPH (33.0 l/h)	80 psi (5.5 Bar)
C78 - 25 GPH (95.0 l/h)	30 psi (2.07 Bar)