

PRE-ENGINEERED CHEMICAL METERING SYSTEMS

Pre-Packaged & Self-Contained Chemical Feed Systems



PP-1H Single Pump System with NEMA 4x Controller.

FEATURES

- Suitable for base or wall mounting.
- Integral leak containment with optional tubing rupture detector with relay output that can start a back-up pump and/or signal an operator remotely via an autodialer.
- Rugged industrial TEFC motors.
- Seal-less pumping technology.
- Self-priming – suction lifts to 30 ft.
- No check valves – few moving parts.

STANDARD EQUIPMENT

- FLOMOTION SYSTEMS Peristaltic Pump with NEMA 4x Controller
- Back pressure and Pressure Relief Valves
- Calibration Cylinder
- Pulsation Dampener
- Diaphragm Protected Pressure Gauge
- Suction Wye Strainer
- PVC Ball Valves
- Leakproof Tubing Connectors



SAFETY FIRST - Sealed Pumphead Design - Tubing Rupture Detector

An optional tubing rupture detector will automatically shut down the pump and signal an alarm in the event of a tubing leak.

Together, the unique sealed pump design and the Tubing Rupture Detector help to protect operators and other equipment from potentially dangerous fumes and chemicals.



SPECIFICATIONS

- Single and Multiple Pump Configurations
- Panel Material: Polypropylene
- Process Piping Material: PVC
- Process Connections: 1/2" NPT
- Dimensions: 55"H x 33"W x 23"D

OPTIONAL EQUIPMENT

- Multi-Function Controller
- Flowmeters
- Tubing Rupture Detection
- Supply Tank Level Monitoring
- Tanks
- On-Line Analyzers
- Corp Stops with Solution Tube Assembly

CHEMICAL FEED SYSTEMS



FLOMOTION 2001H SERIES ENGINEERING SPECIFICATIONS

MOTOR

- TEFC Inverter Duty
- Finish: Oven cured epoxy powder coated

MECHANICAL

- Pump weight: 20 lbs.
- Controller weight: 6 lb.

TUBING DESCRIPTIONS

- FLOPRENE™
Thermoplastic elastomer
- TYGOPRENE XL-60
PVC based thermoplastic
- NORPRENE¹
Thermoplastic elastomer
- CHEMSURE²
Fluoroelastomer

¹Registered Trademark of
Saint-Gobain Performance Plastics
²Registered Trademark of
W.L. Gore & Associates

AGENCY APPROVALS



K4-24 CONTROLLER

- Wall mount or compact mount with LED display
- Integral 8 button keypad
- Forward/Reverse capability
- NEMA 4X enclosure
- 115 VAC input (230VAC 3-phase opt.)
- 230VAC 3-phase output to motor
- Integral Power Disconnect (opt.)

- Input / Output:
 - Remote or manual speed control input (4-20mA, DC voltage or frequency)
 - Start/Stop control input
 - Local/Remote Select input
 - Tubing Rupture input
 - Pump Running output (running/stopped)
 - Speed Feedback output (4-20mA)
 - Status output (auto/manual)
 - Fault output

H Series Estimated Pumping Capacity*						
Tubing No.	#119	#120	#15	#24	#35	#36
Tubing Size (ID)	1.6mm (1/16")	3.2mm (1/8")	4.8mm (3/16")	6.4mm (1/4")	8mm (5/16")	9.6mm (3/8")
gph@ 0.5 - 100 rpm (H22)	0.004 - 0.71 (0.23 - 45 ml/m)	0.015 - 3.0 (0.9 - 188 ml/m)	0.03 - 6.5 (2.1 - 410 ml/m)	0.06 - 11.7 (3.7 - 740 ml/m)	0.09 - 17.4 (5.5 - 1100 ml/m)	0.11 - 22.8 (7.2 - 1440 ml/m)
gph@ 1.6 - 225 rpm (H50)	0.01 - 1.6 (0.7 - 101 ml/m)	0.05 - 6.7 (3.0 - 423 ml/m)	0.10 - 14.6 (6.6 - 922 ml/m)	0.19 - 26.4 (12 - 1665 ml/m)	0.27 - 39.2 (18 - 2475 ml/m)	0.36 - 51.4 (23 - 3240 ml/m)
Max Pressure (psi)	100	100	80	60	30	30
ml/rev*	0.45	1.88	4.1	7.4	11	14.4

*Actual flow rates may vary

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