

# 2001H SERIES INDUSTRIAL HOSE PUMPS

Designed to meet the demanding requirements of chemical injection, dispensing and transfer applications



Exceptional self-priming capabilities make the 2001H Series an ideal choice for hard-to-handle chemicals such as sodium hypochlorite, hydrogen peroxide or viscous polymers.

A wide range of flow outputs can be obtained by simply changing the tubing size. One size pumphead accepts six standard tubing sizes. The sealed, spring-loaded pumphead rollers provide extended tubing life and automatically compensate for minor variations in pump tube wall thickness.

The 2001H Series pump system also allows you to mount the controller on the wall, away from the harsh environment.

All 2001 Series pumps feature a unique sealed peristaltic pumphead, with optional leak detection, which protects against corrosive and dangerous chemical spills.



### **SAFETY FIRST - Sealed Pump Design**

An optional tubing rupture detector will automatically shut down the 2001 pump and signal an alarm in the event of a tubing leak. Together, the unique 2001 sealed pump design and the Tubing Rupture Detector help to protect operators and other equipment from potentially dangerous fumes and chemicals.



## 2001H SERIES FEATURES

- Flows to 50.2 GPH, Pressures to 100 psi.\*
- Rugged industrial drive uses NEMA TEFC motors
- Seal-less pumping technology
- Self-priming – suction lifts to 30 ft.
- No check valves – few moving parts
- Compact or Remote wall-mount controller with LED digital display & integral keypad
- Dry run capability
- User selectable manual or automatic control
- Various long life chemical resistant tubing options available
- Automatic control available via 0-10VDC or 4-20mA

\* Pressure rating dependent on tubing size.

**PERISTALTIC PUMPS**

# FLOMOTION 2001H SERIES ENGINEERING SPECIFICATIONS

## MOTOR

- 1/4 HP TEFC Inverter Duty
- Finish: Oven cured epoxy powder coated
- Color: Black

## MECHANICAL

- Pump weight: 20 lbs.
- Controller weight: 1 lb.
- Pump Finish: Corrosion resistant epoxy coated
- Color: Black

## TUBING DESCRIPTIONS

- FLOPRENE™  
Thermoplastic elastomer
  - TYGOPRENE XL-60  
PVC based thermoplastic
  - NORPRENE<sup>1</sup>  
Thermoplastic elastomer
  - CHEMSURE<sup>2</sup>  
Fluoroelastomer
- 1 Registered Trademark of Saint-Gobain Performance Plastics  
2 Registered Trademark of W.L. Gore & Associates

## 2001H CONTROLLER

- Wall mount or compact mount with LED display
- Integral 6 button keypad
- Selectable manual or automatic control via 0-10 VDC or 4-20 mA
- Remote start/stop capabilities
- Forward/Reverse capability
- 4-20mA speed output signal
- NEMA 4X enclosure
- 115 VAC input, 230VAC 3-phase opt
- Optional RS-485/MODBUS
- Optional Integral Power Disconnect

**2001H Series Estimated Pumping Capacity\***

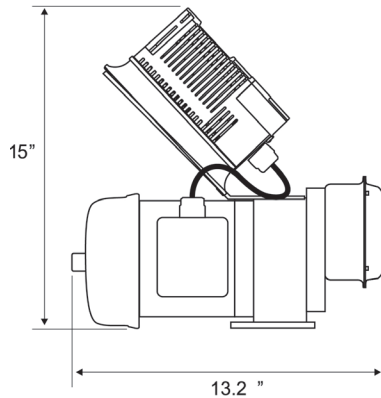
\*Actual flow rates may vary

Tubing No.	#119	#120	#15	#24	#35 & 121	#36 & 122
Tubing Size	1.6mm bore (1/16")	3.2mm bore (1/8")	4.8mm bore (3/16")	6.4mm bore (1/4")	8mm bore (5/16")	9.6mm bore (3/8")
ml/min @ 0.6 - 90 rpm	0.27 - 41 (0.004 - 0.64 gph)	1.13 - 169 (0.02 - 2.68 gph)	2.46 - 369 (0.04 - 5.85 gph)	4.44 - 666 (0.07 - 10.56 gph)	6.60 - 990 (0.10 - 15.69 gph)	8.64 - 1296 (0.14 - 20.54 gph)
ml/min @ 1.8 - 220 rpm	0.81 - 99 (0.013 - 1.57 gph)	3.38 - 414 (0.05 - 6.56 gph)	7.38 - 902 (0.12 - 14.30 gph)	13.32 - 1628 (0.21 - 25.80 gph)	19.80 - 2420 (0.31 - 38.36 gph)	25.92 - 3168 (0.41 - 50.21 gph)
Pressure max psi	100	100	80	60	30	30
ml/rev*	0.45	1.88	4.1	7.4	11	14.4

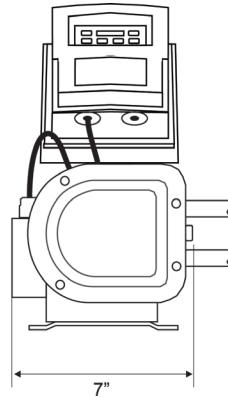
## AGENCY APPROVALS



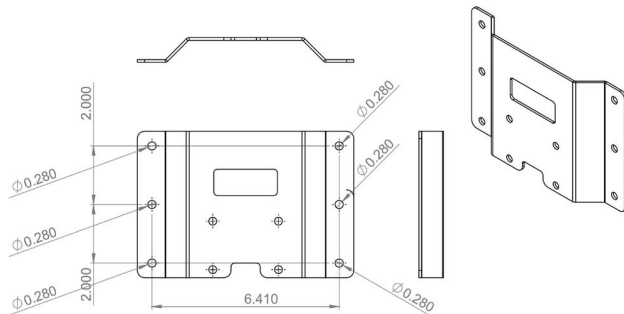
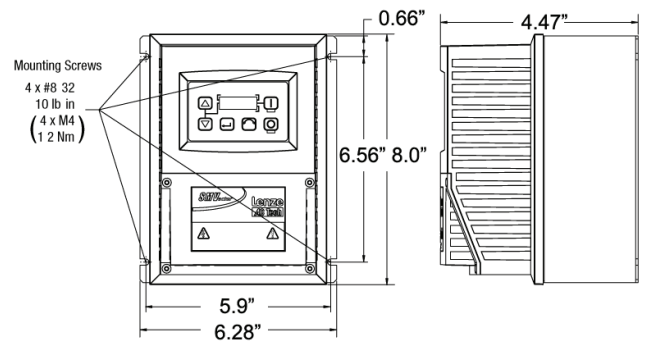
## DIMENSIONS



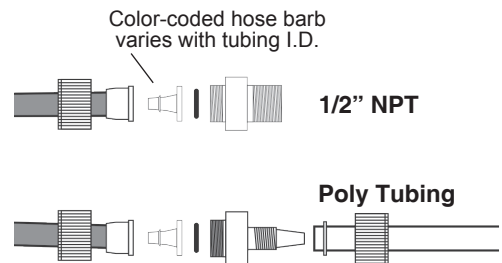
2001HC Compact Mount



2001H Controller



2001H Base/Mounting Plate



Tubing Adapters

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