

General Description

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

Exceptional self-priming capabilities make the PERIDOS H Series an ideal choice for hard-to-handle chemicals such as sodium hypochlorite, hydrogen peroxide or viscous polymers. An extremely wide range of flow outputs can be obtained by simply changing the tubing size.

One size pumphead accepts six standard tubing sizes. The spring loaded pumphead rollers provide extended tubing life and automatically compensate for minor variations in pump tube wall thickness. The PERIDOS H Series pump system allows you to mount the controller on the wall...away from the harsh environment.

An optional tubing rupture detector will automatically shut down the PERIDOS H pump and signal an alarm in the event of a tubing leak. Used in conjunction with the unique PERIDOS H sealed pump design the Lutz-JESCO Tubing Rupture Detector helps to protect operators and other equipment from potentially dangerous fumes and chemicals.

- Flows to 53.9 GPH, Pressures to 100 psi.
- Rugged industrial drive uses standard 56C face motors.
- Seal-less pumping technology.
- Self-priming – suction lifts to 30 ft.
- No check valves – few moving parts.
- Various long life chemical resistant tubing options available.
- Dry run capability.
- Remote wall mount controller with backlit digital display & integral keypad in NEMA 4 enclosure.
- User selectable manual or automatic control.
- Automatic control via 0-10VDC, 4-20mA or RS485 inputs.
- Integral pump run timer to monitor tubing life.

Motor

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

PERIDOS Controller

- Wall mount with two-line backlit LCD display.
- Integral 8 button keypad.
- Selectable manual or automatic control via 0-10 VDC or 4-20 mA.



- RS-485 serial communications.
- Remote start/stop input.
- 4-20mA speed output signal.
- Pump run timer.
- NEMA 4 enclosure.
- 115 VAC input, 230 VAC 3-phase optional.

Mechanical

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

Certifications

- CE Marking
- UL Marking
- C-UL Marking



Tubing Descriptions

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

¹ Registered Trademark of Saint-Gobain Performance Plastics

² Registered Trademark of W.L. Gore & Associates

Tubing Capacity Chart: PERIDOS H Series

Estimated Pumping capacity (based on tests with water)

Tubing No.	Tubing Size (bore)	12.5:1 1.2-240 RPM (100 Hz)	ml/rev	Max. Pressure at 50' length Floprene Tubing	30:1 0.5-100 RPM (100 Hz)
#120	3.2 mm (1/8")	2.0-500 ml/min (0.03-7.9 gph)	1.7	100 psig	0.8-210 ml/min (0.01-3.3 gph)
#15	4.8 mm (3/16")	4.0-1010 ml/min (0.06-16 gph)	4.1	80 psig	2-410 ml/min (0.03-6.5 gph)
#24	6.4 mm (1/4")	7.0-1780 ml/min (0.1-28.2 gph)	6.5	60 psig	3.2-700 ml/min (0.05-11.1 gph)
#35	8.0 mm (5/16")	10.0-2680 ml/min (0.1-42.5 gph)	10.8	30 psig	5.4-1030 ml/min (0.08-16.3 gph)
#36	9.6 mm (3/8")	12.0-3400 ml/min (0.1-53.9 gph)	13.6	30 psig	6.8-1300 ml/min (0.1-20.6 gph)

*Actual flow rates may vary

Constructive Dimensions

