

## General Description

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

Exceptional self-priming capabilities make the PERIDOS 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 five 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 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 pump and signal an alarm in the event of a tubing leak. Used in conjunction with the unique PERIDOS sealed pump design the Lutz-JESCO Tubing Rupture Detector helps to protect operators and other equipment from potentially dangerous fumes and chemicals.

- Flows to 50.2 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

- 1/3 HP TEFC Inverter duty.
- Standard 56C face mounting flange.
- Explosion proof & washdown motors available.

### 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

### PERIDOS E Controller

- Wall or pump 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.
- 4-20mA speed output signal.
- NEMA 4X enclosure.
- 115 VAC input, 230VAC 3-phase optional.

### Mechanical

- Pump weight: 49 lbs.
- Controller weight: 3 lbs.
- Pump Finish: Stainless Steel

### Tubing Descriptions

FLOPRENE™ - Thermoplastic elastomer  
 TYGOPRENE XL-60 - PVC based thermoplastic  
 NORPRENE<sup>1</sup> - Thermoplastic elastomer  
 CHEMSURE<sup>2</sup> - Thermalset rubber

<sup>1</sup> Registered Trademark of Saint-Gobain Performance Plastics

<sup>2</sup> Registered Trademark of W.L. Gore & Associates

## Tubing Capacity Chart: PERIDOS

Estimated Pumping capacity

Tubing No.	Tubing Size (bore)	0.6-90 RPM	1.8-220 RPM	ml/rev
#119	1.6 mm (1/16")	0.27-41 (0.004-0.64 gph)	0.81-99 (0.013-1.57 gph)	0.45
#120	3.2 mm (1/8")	1.13-169 (0.02-2.68 gph)	3.38-414 (0.05-6.56 gph)	1.88
#15	4.8 mm (3/16")	2.46-369 (0.04-5.85 gph)	7.38-902 (0.12-14.30 gph)	4.1
#24	6.4 mm (1/4")	4.44-666 (0.07-10.56 gph)	13.32-1628 (0.21-25.80 gph)	7.4
#35 & #121	8.0 mm (5/16")	6.60-990 (0.10-15.69 gph)	19.80-2420 (0.31-38.36 gph)	11
#36 & #122	9.6 mm (3/8")	8.64-1296 (0.14-20.54 gph)	25.92-3168 (0.41-50.21 gph)	14.4

## Constructive Dimensions

