



Peristaltic Dispensing Pump Systems Featuring Learn & Repeat™ for Fantastic Productivity!

- ✓ Pump from a reservoir through replaceable continuous tubing.
- ✓ Contamination-free liquid handling.
- ✓ Continuous Pumping - up to 775 mL/min.
- ✓ Measured dispensing for production-scale bottle filling solutions.
- ✓ **Learn and Repeat™** for quick setup of production dispenses.
- ✓ Computer and foot switch interface.



Description:

Have a need to accurately fill multiple bottles, vials, or other specialty containers with a liquid? The **Learn and Repeat™** mode of the NE-9000 Peristaltic Pump, can make even the smallest of businesses highly productive from day one. The NE-9000 is equipped to be used in many settings, from the small home-based businesses to the large factory floor. The pump can be integrated into existing production lines or simply used stand alone. The NE-9000 features an intuitive keypad interface, full programmability and versatile operation via manual control or RS-232 PC interface. The flow rates vary from a minimum of 0.035 mL/min to a maximum of 775.2 mL/min with 3/16" ID. tubing. With a footprint size of only: 7 3/4" x 5 1/4", the space-saving chassis won't take up unnecessary space on your laboratory or production bench.

Features:

- **Learn and Repeat™**
- Foot Switch control available.
- Slow down mode to improve accuracy of dispenses.
- Anti-Drip mode to stop oozing after dispensing.
- Calibration mode to improve accuracy.
- Programmable dispense volumes. Store and select from up to 40 dispenses.
- Non-volatile memory of all operating parameters and pumping program.
- Programmable Phases allowing complex pumping applications and interaction with external devices.
- RS-232 bi-directional control for complete control from a PC. Network up to 100 pumps and other devices.
- Digital logic input: TTL I/O with software filtered control inputs to eliminate glitches and ringing on the control inputs.
- Configurable TTL operational trigger for foot switches and other devices.
- Power Failure Mode: Restarts the Pumping Program after a power interruption.
- Includes all the advanced functions and programming features of the NE-1000 series.
- Worldwide power supplies available.
- Audible alarm.
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**PERI-HEAD Kits available separately for quick changes between fluids.
(ONLY the NE-9000B & the NE-9000G support interchangeable pumping heads.)**

Model: PERI-HEAD-KIT-YB2 Blue with 2 Rollers (included with the NE-9000)
Tubing 3/16"ID X 5/16"OD X 1/16" Wall (5 feet)

Model: PERI-HEAD-KIT-Y64 Green with 4 Rollers (included with the NE-9000G)
PharMed® Tubing 1/16"ID x 3/16"OD X 1/16" Wall (5 feet)

NE-9000 Peristaltic Pump Series



Model #: NE-9000B

High flow rates & large dispense volumes. 2 roller pumping head with 3/16" ID tubing.

Flow rate ranges: 0.035 mL/min to 775.2 mL/min.

Includes PERI-HEAD-KIT-YB2.

(Interchangeable with PERI-HEAD-KIT-YG4)



Model #: NE-9000G

Better precision with lower flow rates & small dispense volumes. 4 roller pumping head with 1/16" ID tubing

Flow rate ranges: 0.004 mL/min to 75.19 mL/min.

Includes PERI-HEAD-KIT-YG4.

(Interchangeable with PERI-HEAD-KIT-YB2)



Model #: NE-9004C

Higher flow rates & larger dispense volumes. 2 roller pumping head with 1/4" ID tubing

Flow rate ranges: 0.047 mL/min to 1038 mL/min.

Includes PERI-HEAD-KIT-HGC2.



Model #: NE-9010

Highest flow rates & larger dispense volumes. 2 roller pumping head with 5/16" ID tubing

Flow rate ranges: 0.081 mL/min to 1500 mL/min. Includes PERI-HEAD-KIT-JY2.



Model #: NE-9500B

OEM Peristaltic pump. Available as a stand-alone pump that can be networked to other pumps, or as a core module to be installed into a larger system.



NE-9000 Peristaltic Pump Tubing

Industrial Grade Tubing

Industrial Grade Tubing outlasts and outperforms EPDM, specialty rubber tubing, and other general-purpose tubing in test after test and application after application. It will not weaken or crack after years of exposure to heat and ozone. This provides long service in a wide range of applications such as gasketing, abrasion-resistant sleeve and cable insulation. Performance formulated for on-the-job reliability, Industrial Grade Tubing handles temperatures from -75°F (-60°C) to 275°F (135°C), allowing the use of one material with a broad range of temperatures. It is heat sealable and can be joined without fittings. It also has excellent resistance to inorganic (acids and bases) fluids. With its outstanding flexural fatigue resistance and high temperature capability, Industrial Grade Tubing outlasts and outperforms virtually all other general service tubing in peristaltic and vacuum pump applications.

Features:

- Superior weathering.
- Abrasion resistant.
- Outstanding flexural fatigue resistant.
- Wide temperature range.
- Low gas permeability versus rubber tubing.



Chemical Resistant Tubing

Chemical Resistant Tubing offers an unequaled combination of chemical resistance, clarity and flexibility. Ultra Chemical Resistant Tubing is virtually unaffected by acids, bases, ketones, salts and alcohols, fitting the requirements of many applications from battery acid filling to hazardous material handling. It's entirely plasticizer-free, eliminating fluid contamination and the premature embrittlement and cracking common with many flexible tubing. Its exceptionally smooth inner surface inhibits particulate buildup and reduces the potential for contamination.

Features:

- Resistant to highly aggressive chemicals.
- Plasticizer-free: minimizes risk of fluid contamination.
- Exceptionally smooth inner surface inhibits particulate buildup.
- Low sorption maintains fluid integrity.
- Meets USP Class VI criteria.
- Maximum working temperature 165 °F.



PharMed® Tubing 1/16"ID x 3/16"OD x 1/16" Wall

Ideal for use in peristaltic pumps and cell cultures. PharMed® tubing is less permeable to gases and vapor than silicone tubing and is ideal for protecting sensitive cell cultures, fermentation, synthesis, separation, purification, and process monitoring and control systems.



Not For Clinical Use on Humans



NE-9000 Peristaltic Pump Tubing

Tubing for Food and Beverage Processing

Formulated to withstand the high temperatures frequently occurring during food and beverage processing, Food Process Tubing will outlast and outperform virtually all other food grade tubing. Even following extended exposure to heat and ozone, Food Process Tubing will not crack or deteriorate as commonly found when using traditional rubber tubing.

Extremely flexible, Food Process Tubing resists kinks and retains shape while installing quickly and easily. Its excellent flexural fatigue resistance makes it the absolute best choice for use in peristaltic pumps often found in dispensing equipment.

Repeatedly autoclavable, Food Process Tubing can be steam cleaned in place, eliminating the need for frequent tubing replacement. When harsh sanitizing solutions are used, it exhibits exceptional chemical resistance and is entirely unaffected by a wide variety of cleaning solutions.

Features:

- Temperature resistant from -60 °F to 275 °F.
- Compatible with virtually all common sanitizers and cleaners.
- Can be autoclaved repeatedly.
- Meets FDA, 3-A and NSF criteria.

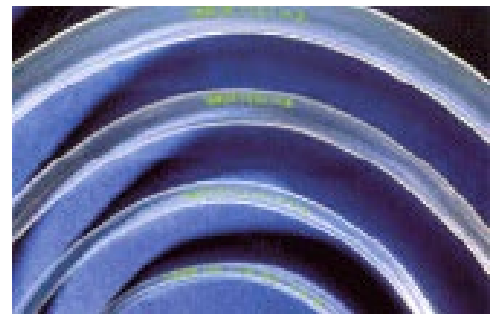


Plasticizer Free Tubing

Plasticizer Free Tubing is a uniquely engineered product that offers the low compression set properties of a thermoset rubber. Plasticizer Free Tubing provides the most flexibility, highest temperature resistance and the longest pump life available in a clear, plasticizer/oil free tubing. It is ideal for a broad range of applications including peristaltic pump applications, soap and detergent dispensing, water purification lines, food contact applications and chemical transfer. This uniquely engineered tubing will not embrittle or crack prematurely like other tubing that contains plasticizer or extender oils, benefitting the user with less downtime and tubing changes.

Features:

- Superior flex life in peristaltic pumps
- Chemically resistant to a wide range of fluids
- Temperature resistant from -108 °F to 160 °F
- Clear for easy visual flow monitoring
- Meets FDA criteria for food contact



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