



- Syringe Pumps:**  
\$275 Just Infusion™
- Full Featured Programmable Syringe Pumps:**
  - One Channel
  - Two Channel
  - Six, Eight, and Twelve Channel
  - High Pressure
  - Microfluidics
  - OEM & Custom Pumps
- Volumetric Dispensing:**
  - Peristaltic Pumps
  - Peristaltic Plumbing
- Advanced Pump Systems:**
  - 2 Pump Advanced Systems
  - The Next Generation Continuous Infusion Syringe Pump System
  - Linear/Gradient Pumping and Advanced Features
- Syringe Heater**
- Syringes & Plumbing Supplies**
  - Plastic Syringes & Kits
  - Glass Syringes
  - Steel Syringes
  - Plumbing Supplies
- Accessories:**
  - Closed Loop Analog Sensor Interface
  - Pump Software
  - All Accessories
- Resources:**
  - Frequently Asked Questions
  - User Manuals
  - Technical Documents
  - Technical Videos
  - Research Papers

### X Firmware Advanced Features Upgrade



### X Firmware Advanced Features Upgrade

Upgraded Features to the standard NE-1000 firmware:

- Linear/Gradient Program Function
- Dual Pump [Next Generation Continuous Pumping Mode](#)
- Dual Pump Constant Flow Rate Gradient Pumping Mode
- Additional programming functions for more complex Pumping Programs
- Syringe Pumps, [Syringes & Plumbing Supplies](#) sold separately
- [Download Brochure](#)
- [Download Special Dual Pump Controls User Manual](#)

### X2 Firmware Advanced Features and Memory Upgrade

- Includes all of the features of the X firmware version, plus...
- Increases the maximum number of programmable pumping phases from 41 to 340.

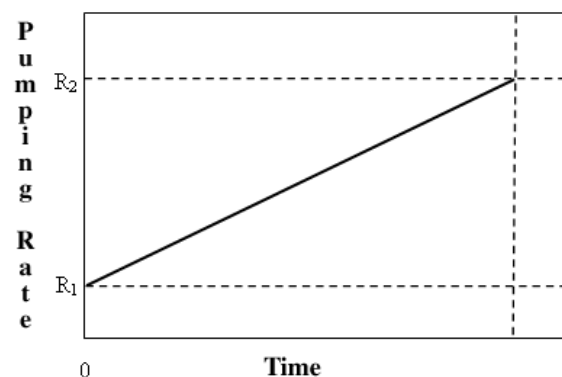
- Any syringe pump can be field upgraded except for the NE-300.

Model	Description	Suggested List Price
FW-1-X	X Firmware for stand-alone pumps (NE-1000 series)	\$105 USD
FW-5-X	X Firmware for OEM style pumps (NE-500 series)	\$55 USD
FW-1-X2	X2 Firmware for stand-alone pumps (NE-1000 series)	\$205 USD
FW-5-X2	X2 Firmware for OEM style pumps (NE-500 series)	\$110 USD
CBL-DUAL-3	Cable to connect 2 pumps to use the Dual Pumps Modes	\$10 USD
FW-EXTRACTOR	PLCC chip extractor tool for replacing firmware	\$4 USD

### Linear/Gradient Function Pump Features

- Smooth linear increasing or decreasing gradient pumping
- Set the start pumping rate, end pumping rate and the time
- Pre-program multiple gradients plus any other NE-1000 programming feature

### Graphic Example:



### Catalog:



Click image to download New Era 2013 Catalog

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### Requirements for Dual Pump Modes:

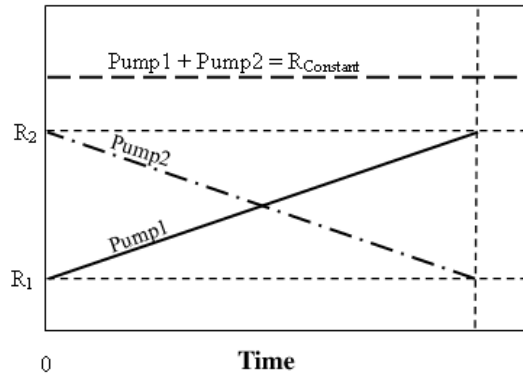
- Any combination of 2 syringe pumps with X firmware upgrades
- Dual pump communications cable [Model # CBL-DUAL-3](#)

[The Next Generation Continuous Infusion System](#) eliminates the problem of flow rate drop offs and pauses caused by push-pull syringe pumps. Please visit our [Continuous NE-1000X](#) page and learn how the system works.

### Constant Flow Rate Gradient Pumping Mode:

- Set pump 1 linear function
- Pump 2 automatically pumps inversely to pump 1
- Sum of pump 1 and pump 2 flow rates remains a constant rate

### Graphic Example:



### International Orders

New Era Pump Systems, Inc. product line is supported around the globe by our distribution network. You can order our products from our [international distributors](#). Our syringe pumps are CE certified and we have international power supplies available. [Click here for more important details.](#)



**Not For Clinical Use On Humans**