



# Welcome to SyringePump.com

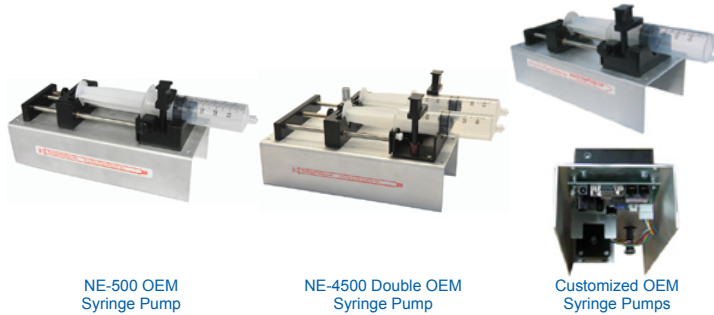
## Clever Pumps, Priced Right!



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- 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

### OEM Syringe Pumps



NE-500 OEM Syringe Pump

NE-4500 Double OEM Syringe Pump

Customized OEM Syringe Pumps

### NE-500 Programmable OEM Syringe Pump



Model: NE-500

Suggested List Price: \$520 USD

**NE-500 does not come with a power supply. Please see OEM Starter Kit and OEM Net below.**

- **Computer controllable:** networkable up to 100 pumps
- **Stand-alone operation:** pre-program the pump with a dispensing program, then operate the pump from an attached [Foot Switch](#), button, or I/O controller
- One-click program upload from "Pumping Program Generator" spreadsheet
- Add the [OEM Starter Kit](#) to run as a fully functional, stand-alone pump

#### Description:

- Does not have a built-in user interface
- Chassis mountable: 9 1/2"L x 4"W x 4 1/8"H (24.13 x 10.16 x 10.5 cm) If chassis does not fit in your system, we make [custom designed OEM syringe pumps](#) to accommodate your specific needs.
- Operates from a 12V DC power source
- Holds 1 syringe, up to 60 mL. 140 mL with long chassis.
- Infusion rates from 0.73 µL/hr (1 mL syringe) to 2100 mL/hr (60 mL syringe)
- **Includes all the advanced functions and programming features of the NE-1000 Series**
- [Disposable](#), [Glass](#), [Stainless Steel Syringes](#) and [Plumbing Supplies](#) are sold separately.
- [Download our free pump terminal emulator](#) or get a [trial version](#) of our Windows based [SyringePumpPro](#)
- [Custom modifications to the mechanics and firmware](#) are also available
- [Download Brochure](#)
- [Download User Manual](#)

Open chassis design easily mounts into your system

#### Catalog:



Click image to download New Era Catalog



**\$775**  
NE-1000  
One Channel  
Syringe Pump

**Newsletter:**  
Please enter your email address to receive our monthly newsletter then Click to Join

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**\$1560**  
DUAL-NE-1000  
Continuous Infusion  
Dual Syringe Pump System



**\$1525**  
NE-1600, 1800&1200  
Multi Channel Syringe Pumps



**\$520**  
NE-500  
OEM One Channel  
Syringe Pump

**USD Prices - FOB USA ex GST**



**Features of the NE-1000 Series of Syringe Pumps:**

- Infusion and withdrawal
- Fully programmable and automation capable
- Set a single pumping rate and/or dispensing volume
- Program up to 41 pumping phases that change pumping rates, set dispensing volumes, insert pauses, control and respond to external signals, extra I/O expansion port, sound the buzzer
- Operates stand-alone or from a [computer](#). Cables sold separately.
- RS-232 Computer interface. USB converter cable available.
- Network, control, and monitor up to 100 pumps with one [computer](#)
- TTL logic interface for digital control
- Available in [High Pressure, Stall Detection & Long Chassis options](#).
- Motor stall detection available in NE-501 model (\$575)
- Dispensing accuracy of ± 1%
- Unlimited lifetime technical support
- Two year warranty

**Example Flow Rates: NE-500, NE-501, NE-500L & NE-501L**

- For a more complete list of flow rates, [download brochure](#).
- Need higher flow rates? [Contact us](#). We have other models available.

Syringe Size	Maximum Rate	Minimum Rate
0.5 µL	25.49 µL/hr	0.001 µL/hr
1 mL	52.86 mL/hr	0.727 µL/hr
3 mL	223.8 mL/hr	3.076 µL/hr
5 mL	372.5 mL/hr	5.119 µL/hr
10 mL	607.6 mL/hr	8.349 µL/hr
20 mL	966.2 mL/hr	13.28 µL/hr
30 mL	1260 mL/hr	17.32 µL/hr
60 mL	2120 mL/hr	29.1 µL/hr
140 mL	3470 mL/hr	47.7 µL/hr

**NE-500 OEM Single Syringe Pump Models**

Model	Standard	High Pressure	Stall Detection	Long Chassis	Suggested List Price
NE-500	X				\$520.00
NE-501	X		X		\$575.00
NE-510		X			\$560.00
NE-511		X	X		\$615.00
NE-500L	X			X	\$535.00
NE-501L	X		X	X	\$590.00
NE-510L		X		X	\$575.00
NE-511L		X	X	X	\$630.00

**High Pressure**

The NE-500 produces about 15 lbs of linear force at top speed and about 35 lbs at slow speeds. 10 mL/hr is an example of slow speed. The pressure that can be generated is relative to the syringe size. On a 60 mL syringe, this would roughly produce about 30 psi.

The higher pressure versions will approximately double the pumping force at the same speeds.

**Example Flow Rates: NE-510, NE-511, NE-510L & NE-511L**

- For a more complete list of flow rates, [download brochure](#).
- Need higher flow rates? [Contact us](#). We have other models available.

Syringe Size	Maximum Rate	Minimum Rate
0.5 µL	91.83 µL/hr	0.001 µL/hr

1 mL	190.4 mL/hr	1.453 µL/hr
3 mL	806.1 mL/hr	6.151 µL/hr
5 mL	1341 mL/hr	10.24 µL/hr
10 mL	2188 mL/hr	16.7 µL/hr
20 mL	3479 mL/hr	26.55 µL/hr
30 mL	4539 mL/hr	34.64 µL/hr
60 mL	7635 mL/hr	58.3 µL/hr
140 mL	208.3 mL/min	95.37 µL/hr

**Stall Detection Option**

Adds an optical encoder that will detect and stop the motor during a stall. Typically used in high pressure applications where there is a risk of exceeding the maximum force specified or the pump runs past the end of the syringe. Without the optical encoder, the pump will continue to cog in the event of a stall. Not to be used as a normal means of stopping the pump.

**Long Chassis Option**

Will hold and allow a 140 mL syringe to open to its full length.

**Bottom Cover Option**

Adds an enclosure for the open chassis.

**Model: OEM-BOTCOVER-ASSBLY Price: \$25 USD**

**OEM Starter Kit**

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**Model: OEM-STARTER**

**Price: \$30 US, \$30 UK,  
\$30 European, \$30 Australian**

**Description:**

- Allows user to interactively communicate to the pump with a [computer](#) using RS-232.
- Includes: [power supply](#), [Pump-to-PC network cable \(CBL-PC-PUMP-7\)](#) and user manual.

**USB to RS-232 Converter Cable**

**Model: CBL-USB232**

**Price: \$10**

**Description:**

Adds an RS-232 port to a computer by attaching to a USB port. Cable CBL-PC-PUMP-7 attaches between this cable and the pump.

**OEM Net**

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**Model: OEM-NET**

**Price: \$15 US, \$15 UK,  
\$15 European, \$20 Australian**

**Description:**

Power supply and [secondary cable](#) only. For use when networking two or more OEM syringe pumps to a single computer serial port. Must use OEM-NET for each additional OEM pump.

**Foot Switch**

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**Model: ADPT-FOOTSW-2**

**Price: \$35 USD**

**Description:**

- Start, stop, or trigger the next phase on your syringe pump
- Attach to any pump (except NE-300) for stand-alone operation
- Attaches to the TTL logic port on pump
- Quick and simple setup

**Firmware and Program Memory Upgrade Options:**

**Model: FW-5-X**

**Price: Add \$75 USD to any OEM models**

**Extra Features:**

X upgrade adds Linear/Gradient flow rate ramping, additional advanced programming functions, additional I/O functions, expansion port, attach external switches, sub program selection structure, speed control switch.

**Model: FW-5-X2**

**Price: Add \$130 USD to any OEM models**

**Extra Features:**

X2 upgrade includes all features of the X model plus increases the number of programmable phases from 41 to 340 and increases the max RS-232 baud rate to 38,400.

**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.](#)

