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NE-300 "Just Infusion"   Syringe Pump

New Era Pump Systems

- Holds small or big syringes up to 60 mL
- Pump continuously until you stop the pump
- Infusion rate can be changed while pumping
- Remembers previous settings on power up
- Power failure mode allows pump to continue pumping after a reset
- Syringe purge mode
- Displays total volume dispensed in mL or µL units
- Maximum pumping rate of 1500 mL/hr with a 60 mL syringe
- Precise reproducible flow rates
- Selectable infusion rates units: mL/hr, µL/hr, mL/min, µL/min

· **"Infuses Only!"**

-Does not withdraw, volume target, or have computer interface

-Just the features that you want and none that you don't want to pay for

NE – 500 Application Syringe Pump

New Era Pump Systems

Designed for OEM applications, this pump has the same mechanisms and electronics as the NE-1000 aside from the front panel controls.

· Built for Automation
· Operates from a computer
· Infusion and withdrawal
· 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, sound the buzzer
· Network, control, and monitor up to 100 pumps with one computer
· Motor stall detection available in NE-501 model ($550)
· Dispensing accuracy of ± 1%
· Unlimited lifetime technical support
    Two year warranty

• **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
    Add the OEM Starter Kit to run as a fully functional, stand-alone pump

Starter Kit for the NE-500 OEM Pump

• Allows user to interactively communicate to the pump with a computer

• Includes: power supply, Pump-to-PC network cable, and user manual

• Power supply for the NE-500 OEM Pump. Needed for additional OEM pumps used in a pump network in a laboratory setting.

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NE – 1000 Programmable Syringe Pump

New Era
Pump Systems

Features:

- Built for Automation
- Operates stand-alone or from a computer
- Infuses and withdraws
- Applications range from simple infusions to complex pumping programs
- Programmable preset protocols
- Program up to 41 pumping phases that change pumping rates, set, dispensing volumes, insert pauses, control and respond to external signals, sound the buzzer
- RS-232 and TTL logic control interfaces
- Network, control, and monitor up to 100 pumps with one computer
- Worldwide power supplies available
- Motor stall detection
- Non-volatile memory of all parameters and programming
- Upgradeable to the 'X and 'X2 advanced firmware versions for gradient pumping and increased program memory
- Plus many, many more features!!!
- Dispensing accuracy of +/-1%
- Unlimited lifetime technical support
- Two year warranty

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NE – 4000 Double – Syringe Pump

New Era Pump Systems

- Accepts 2 different syringes from the smallest size available up to 60 ml or 140 ml partially filled

- 2 different sized syringes can be used for proportional infusion

- Pumping rate as low as 1.459 ml/hr with a 1 mL syringe or as high as 127.2 ml/min with a 60 mL syringe

Features:

- Built for Automation
- Operates stand-alone or from a computer
- Infuses and withdraws
- Applications range from simple infusions to complex pumping programs
- Programmable preset protocols
- Program up to 41 pumping phases that change pumping rates, set, dispensing volumes, insert pauses, control and respond to external signals, sound the buzzer
- RS-232 and TTL logic control interfaces
- Network, control, and monitor up to 100 pumps with one computer
- Worldwide power supplies available
- Motor stall detection
- Non-volatile memory of all parameters and programming
- Upgradeable to the 'X and 'X2 advanced firmware versions for gradient pumping and increased program memory
- Plus many, many more features!!!
- Dispensing accuracy of +/-1%
- Unlimited lifetime technical support
- Two year warranty

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New Era Pump Systems

NE – 1600 Six – Syringe Pump

- Similar to NE-1000 but holds 2, 4, or 6 syringes of up to 60 cc each.

- Infusion rates from 0.57 µL/hr (1 cc syringe) to 1337 ml/hr (60 cc syringe)

- Higher flow rate models available

Features:

- Built for Automation
- Operates stand-alone or from a computer
- Infuses and withdraws
- Applications range from simple infusions to complex pumping programs
- Programmable preset protocols
- Program up to 41 pumping phases that change pumping rates, set, dispensing volumes, insert pauses, control and respond to external signals, sound the buzzer
- RS-232 and TTL logic control interfaces
- Network, control, and monitor up to 100 pumps with one computer
- Worldwide power supplies available
- Motor stall detection
- Non-volatile memory of all parameters and programming
- Upgradeable to the 'X and 'X2 advanced firmware versions for gradient pumping and increased program memory
- Plus many, many more features!!!
- Dispensing accuracy of +/-1%
- Unlimited lifetime technical support
- Two year warranty

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NE – 1800 Eight – Syringe Pump

New Era
Pump Systems

- Similar to NE-1000 but holds 2, 4, 6, or 8 syringes of up to 10 cc each.

- Infusion rates from 0.57 µL/hr (1 cc syringe) to 380 ml/hr (10 cc syringe)

- Higher flow rate models available

Features:

- Built for Automation
- Operates stand-alone or from a computer
- Infuses and withdraws
- Applications range from simple infusions to complex pumping programs
- Programmable preset protocols
- Program up to 41 pumping phases that change pumping rates, set, dispensing volumes, insert pauses, control and respond to external signals, sound the buzzer
- RS-232 and TTL logic control interfaces
- Network, control, and monitor up to 100 pumps with one computer
- Worldwide power supplies available
- Motor stall detection
- Non-volatile memory of all parameters and programming
- Upgradeable to the 'X and 'X2 advanced firmware versions for gradient pumping and increased program memory
- Plus many, many more features!!!
- Dispensing accuracy of +/-1%
- Unlimited lifetime technical support
- Two year warranty

New Era
Pump Systems

Syringe Pump Accessories

Ana-Box Closed Loop Analog Sensor Interface

Description:

- Vary the pumping rate in proportion to a variable voltage input
- Start or stop pump at set voltages
- Vary the pumping rate to maintain a voltage window
- Attaches to any pump in the NE-1000 Family

Foot Switch

Description:

- Start, stop, or trigger the next phase on your syringe pump
- Attach to any of the NE-1000 family pumps to allow stand-alone operation
- Utilizes the TTL logic port on syringe pump
- Quick and simple setup

Pump – PC Primary Network Cable

Description:

- Allows full control over syringe pumps through your computer
- DB-9 adapter connects to 9-pin serial port (25-pin adapters available upon request)
- Utilizes the RS-232 communications port of syringe pump
- Available in 7' and 25' length cable

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New Era Pump Systems

Syringe Pump Accessories

RS – 232 to USB Converter

Description:

- Adapter to add a DB-9 RS-232 serial port to your computer by using an USB port
- Includes software driver CD

Pump to Pump Secondary Network Cable

Description:

- Allows networking of two or more syringe pumps to a single computer
- Quick and simple setup
- Utilizes the RS-232 communications port of syringe pump
- Available in 7' and 25' length cable
- Requires first pump to be connected with primary network cable

Pump Synchronization Cable

Description:

- Used for creating a continuous infusion system or dual infusion system
- Establishes a communications link between two pumps to duplicate the exact or inverse commands issued to one pump.
- Utilizes the RS-232 logic port on syringe pump
- Quick and simple setup
- This is the new replacement cable for CBL-TTL-1 unless the use of the TTL ports for synchronization is preferred

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Pump Systems

Syringe Pump Accessories

Lockout Disable Key

Description:

- For use with the syringe pump's "Lockout Mode"
- Prevent unauthorized or accidental changes to the settings by locking the keypad
- The "Lockout Disable" key unlocks the keypad and allows settings to be changed
- Utilizes the TTL logic port on syringe pump

Single Valve Control Box

Description:

- Attach your 12V DC valve and the control box will open or close your valve according to the pumping direction
- Utilizes the TTL logic port on syringe pump
- Includes power supply for valve

Dual Valve Control Box

Description:

- Attach your two 12V DC valves and the control box will open or close your valves according to the pumping directions of your two pumps
- Includes CBL-TTL-1 cable to allow synchronized pumping between two pumps
- Utilizes the TTL logic ports on both syringe pumps
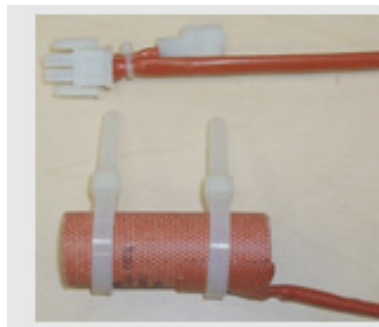- Includes power supply for valves

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Syringe Heater

Syringe Heater Kit

- Heating device for syringes that requires temperature-controlled dispensing
- Heats syringes to over 100° Celsius
- Digitally set the heater set point
- Temperature sensor in heating pad
- Setpoint retained in memory
- Controller will heat the syringe and hold the set temperature using an on/off or PID control algorithm
- Multiple syringe heater pads can be attached to the control unit
- Heated syringe can be mounted on a syringe pump
- Syringe Heater Kit includes Control-Unit power cable and primary-Syringe-Heater-Pad

- For attaching a second heating pad to SYRINGE-HEATER-KIT
- Includes a Y-adapter to connect to primary heating pad
- Temperature sensed in primary heating pad only

- For adding third, up to sixteen, heating pads
- Y-adapter not needed to attach third, and up, heating pads to Control-Unit
- Temperature sensed in primary heating pad only