



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

## DUAL-NE-1000X

### The Next Generation Continuous Infusion Syringe Pump System



Model: DUAL-NE-1000X

Suggested List Price: \$1720 USD

#### Eliminates Flow Rate Pauses & Drop-Offs

The DUAL-NE-1000X Continuous Pump System eliminates the problem of flow rate drop-offs and pauses found in Push-Pull syringe pump systems. With Push-Pull systems, one syringe infuses, while the other refills, then they switch directions. This switch of directions causes a delay in flow while the syringes are primed.

The DUAL-NE-1000X Continuous Pump System solves the inconsistent flow rate problems of push-pull pumps.

#### How it works:

The refilling syringe pump fills the syringe at a faster rate than the infusing syringe pump infuses, giving it time to prime the syringe after the syringe is filled, or even overlap the infusion to create a seamless transition between syringes.

The smoothness of the transition between syringes can be fine tuned by adjusting the infusion rate, refill rate, priming rate, prime volume and overlap volume parameters.

#### Description:

- Two single syringe pumps, each pump holds 1 syringe up to 60 mL, or 140 mL partially filled.
- 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 family
- Disposable, Glass, Stainless Steel Syringes and Plumbing Supplies are sold separately.
- Dual Pump Plumbing Kit, (sold separately), complete the continuous system.
- Easy-to-use keypad interface
- Download Brochure

#### Requirement:

Two Pumps from the NE-1000X Series of syringe pumps (any 2 NE-1000 Series of syringe pumps with an X upgrade in each pump). Pumps can be different models. One dual pump cable (Model: CBL-DUAL-3).

#### Features of the DUAL-NE-1000X:

- Includes: 2 NE-1000X programmable single syringe pumps, synchronization cable kit and two power supplies.
- Utilizes specialized dual pump synchronization cable kit to synchronize both pumps.
- Flexibility for the pumps to perform either **continuous flow, emulsification or independently** at any time.

#### Features of the NE-1000X Family of Syringe Pumps:

- Built for automation
- Operates stand-alone or from a [computer](#)
- Infusion and withdrawal
- Set a single pumping rate and/or dispensing volume
- 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](#).
- Gradient ramping of flow rates
- [Worldwide power supplies available](#)
- Motor stall detection
- Non-volatile memory of all parameters and programming
- Upgradable to 340 pumping phases program memory with the [X2 Upgrade](#)

#### Catalog:



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Clever Pumps, Priced Right!

**NE-1000 Peristaltic Pumps Now Supports 1/8" ID Tubing**

**\$500**

**Introducing Pharma® Tubing**

**Features/Benefits:**

- Superior pump tubing compatible with up to 32 pumps
- Low particulate leachables
- Fully flexible and bendable
- Temperature resistant from 20°F to 212°F
- High purity medical GPP and BPA free and phthalate-free
- Meets USP Class II and USP Class III

**Typical Applications:**

- Hospital Outpatient
- Home Care
- Critical Care
- Research
- Veterinary
- Biotech

**Replacement Industrial Grade Tubing LASTS FOR YEARS!** **\$200**

**Not For Clinical Use On Humans**

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- Dispensing accuracy of +/-1%
- Unlimited lifetime technical support
- Two year warranty

### Example Flow Rates for the DUAL-NE-1000X:

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

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

### Dual Pump Plumbing Kit



#### Description:

- For use with our [continuous infusion system](#) or [dual infusion system](#)
- Provides a dual check valve for two syringes, withdraw will pull fluid from a reservoir and infusion will output into a separate line
- The kit is pre-assembled, all you need to do is plug in the syringes
- Each dual check valve uses 6" of 1/8" tubing to connect to a Y connector, one for reservoir and one for output; each Y-connector has 5' of tubing to make connections to your application. Two 50 mL Norm-Ject® Luer Lock Inert syringes are included
- Individual parts are also available

Model: P-DKIT

Suggested List Price: \$20 USD

#### 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**