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NE-1000 Single Syringe Pump



Model: NE-1000
Price: US $750
Part ID: PUMP-NE1000

Description:

- Holds 1 Syringe up to 60 cc*
- Infusion rates from 0.73 µL/hr (1 cc syringe) to 2100 ml/hr (60 cc syringe)
- Easy-to-use keypad interface
- Space Saving Chassis: Foot print size of only 5 3/4" x 8 3/4"
  Won't take up unnecessary space on your laboratory or production bench
- Includes all the advanced functions and programming features of the NE-1000 family

Special Application: Continuous Infusion (Push-Pull) and Dual Syringe Pump

Using 2 NE-1000 pumps attached with a cable, one pump will infuse while the other pump refills or have simultaneous infusion.

Features:

- **Fully programmable**; automation capable
- Operates stand-alone or 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
- Worldwide power supplies available
- Motor stall detection
- Dispensing accuracy of +/-1%
- Unlimited lifetime technical support
- Two year warranty

Example Flow Rates (NE-1000):

Syringe Size (cc)	Maximum Rate (mL/hr)	Minimum Rate (µL/hr)
0.5 µL	25.49	0.001
1 mL	53.09	0.73
3	192.5	2.646
5	406.1	5.581
10	600	8.244
20	975.8	13.41
30	1282	17.63
60	2120	29.13

Sample syringe configurations, can hold any size syringes below 60 cc.

Maximum syringe size:

Although a maximum of a 60 cc syringe is specified, the pump can hold up to a 140 cc syringe but can only open up to about 120 cc lengthwise

High pressure notes:

The NE-1000 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 high pressure version, NE-1010, will approximately double the pumping force at the same speeds.

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