

Model BS-9000-2

Syringe sizes:	Up to 60 mL. 140 mL partially filled
Number of syringes:	2
Motor type:	Step motor
Motor steps per revolution: Microstepping:	200
Advance per step:	1/8 to 1/2 depending on motor speed
Motor to drive screw ratio:	0.42522321 uM to 1.7009 uM depending on motor speed
Drive screw pitch:	15/28
DC connector:	20 revolutions/°
Voltage at DC connector:	2.5 mm, center positive
Amperage:	12V DC at full load
Power supply type:	1000 mA at full load Unregulated linear external wall adapter, country and power source specific
Power supply output rating:	12V DC @ 1000 mA
Dimensions:	8 3/4" x 5 3/4" x 4 1/2" High (22.86 cm x 14.605 cm x 11.43 cm)
Weight:	3.6 lbs. (1.63 kg)

Operational

Maximum speed:	18.36964 cm/min
Minimum speed:	0.008409 cm/hr
Maximum pumping rate:	6120 ml/hr with a B-D 60 cc syringe
Minimum pumping rate:	1.459 µl/hr with a B-D 1 cc syringe
Maximum force:	100 lbs. at minimum speed, 18 lbs. at maximum speed
Number of Program Phases:	41
RS-232 pump network:	100 pumps maximum
RS-232 selectable baud rates:	300, 1200, 2400, 9600, 19200
Syringe inside diameter range:	0.100 to 50.00 mm

Model BS-9000-6 & BS-9000-8

Model: BS-9000-6	
Syringe sizes:	Up to 140 cc
Number of syringes:	6
Model: BS-9000-8	
Syringe sizes:	Up to 10 cc
Number of syringes:	8
Motor type:	Step motor
Motor steps per revolution:	200
to drive screw ratio:	1/4
Drive screw pitch:	24 revolutions/”
DC connector:	2.5 mm, center positive
Voltage at DC connector:	12V DC at full load
Amperage:	1000 mA at full load
Power supply type:	Unregulated linear external wall adapter, country and power source specific
Power supply output rating:	12V DC @ 1000 mA
Dimensions:	10 3/8” x 15 1/8” x 5 1/4” High (26.35 cm x 38.42 cm x 13.34 cm)
Weight:	10.125 lbs. (4.6 kg)
Maximum speed:	3.2226 cm/mn
Minimum speed:	0.0262 cm/hr
Maximum pumping rate:	1072 ml/hr with a B-D 60 cc syringe
Minimum pumping rate:	4.532 µl/hr with a B-D 1 cc syringe
Maximum force:	160 lbs at minimum speed, 30 lbs. at maximum speed
Number of Program Phases:	41
RS-232 pump network:	100 pumps maximum
RS-232 selectable baud rates:	300, 1200, 2400, 9600, 19200
Syringe inside diameter range:	0.100 to 50.00 mm

Model BS-9000-12

- Holds 2, 4, 6, 8, 10 or 12 syringes of up to 3 cc each (Glass or stainless steel syringes larger than 20mL may require Anti-siphon Modification Kit.
- Infusion rates from 0.45µL/hr (1 cc syringe) to 153.2 ml/hr (3 cc syringe)
- Easy-to-use keypad interface
- Higher flow rate models available
- Includes all the Features of the NE-1000 Family of Syringe Pumps
- Includes all the advanced functions and programming features of the NE-1000 family
- Disposable, Glass, Stainless Steel Syringes and Plumbing Supplies are sold separately.

Example Flow Rates (BS-9000-12):

Syringe Size	Maximum Rate	Minimum Rate
0.5 µL	17.45 µL/hr	0.001 µL/hr
2 mL	69.82 mL/hr	0.001 µL/hr
5 mL	174.8 mL/hr	0.003 µL/hr
1 mL	36.19 mL/hr	0.452 µL/hr
3 mL	153.2 mL/hr	1.914 µL/hr

