

Syringe Pump Specifications

- Holds 2 Syringes, with recommended or user specified sizes
- Minimum Syringe Size: 1 mL
- Maximum Syringe Size: 60 mL
- Programmable Infusion rates from 0.3 $\mu\text{L}/\text{min}$ (1 mL Syringe) to 1799.1674 mL/h (60 mL Syringe)
- Easy-to-use Keypad interface with 16x2 Character LCD
- Power supply: 24 V/ 3 A
- Motor type: Step motor, 24 Volts, 1.8° per step
- Motor steps per revolution: 200
- Advance per step: 156 nm to 5 μm depending on stepping speed
- Fully programmable; Automation capable
- operates in stand-alone mode or from a computer
- Non-volatile memory to store user-applied settings (Restorable to default settings)
- Manual infusion or withdraw using on-device keys
- Trigger Mode:
 - Triggered infusion with external square wave (standard 5 Volts) trigger
 - User programmable syringe type and infusion rate
- Simulation Mode:
 - 8 programmable phases with separate rates for each phase
 - Infusion or withdraw mode for each phase
 - Each phase can be constrained by time or dispensed volume
 - Simulation procedure can be paused or stopped at any time
- 3 year warranty



Syringe Type	Dimension Limits (inner diameter)			Infusion Limits			
	Min (mm)	Recommended (mm)	Max (mm)	mL/min		mL/h	
				Minimum	Maximum	Minimum	Maximum
1 mL	4.606	4.699	9.538	0.0003	0.9365	0.0162	56.1883
3 mL	8.585	8.585	9.65	0.0009	3.1258	0.0542	187.5493
5 mL	10.3	11.99	13	0.0018	6.0971	0.1057	365.8249
10 mL	14.43	14.43	15.9	0.0026	8.8311	0.1531	529.8678
20 mL	19.05	19.05	23.03	0.0044	15.3912	0.2668	923.4744
30 mL	21.59	21.59	23.52	0.0057	19.7692	0.3427	1186.1515
60 mL	26.59	26.59	29.7	0.0087	29.9861	0.5198	1799.1674