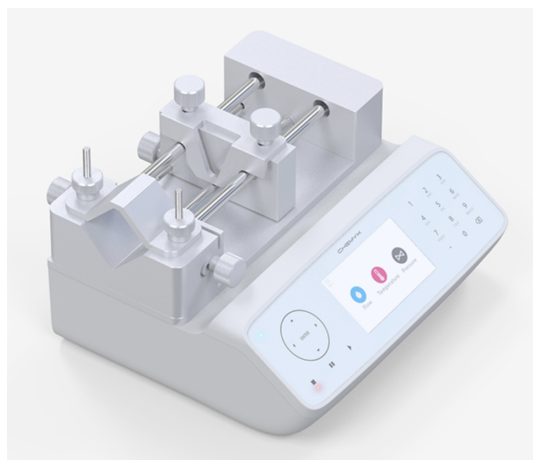


# Fusion 6000 Data Sheet



The Fusion 6000 high-pressure syringe pump is designed for dosing viscous solutions, and semi-solid material injections against pressure. This system allows also for heated temperature control and pressure modulation while providing precision flow and performance.

## TECHNICAL SPECIFICATIONS

<b>MODE</b>	Infuse & Withdraw
<b>MINIMUM FLOW RATE</b>	0.0001 $\mu\text{L}/\text{min}$ (with 0.5 $\mu\text{L}$ syringe)
<b>MAXIMUM FLOW RATE</b>	271 (with 200mL syringe)
<b>LINEAR FORCE</b>	500 lbs (226.796kg)
<b>SYRINGE SIZE (MIN/MAX)</b>	0.5 $\mu\text{L}$ to 200mL SS
<b>STEP RESOLUTION</b>	0.0938 $\mu\text{m}/\text{step}$
<b>OPERATIONAL TEMPERATURE</b>	4°C to 40°C (40°F to 104°F)
<b>STORAGE TEMPERATURE</b>	-10°C to 70°C (14°F to 158°F)
<b>ACCURACY</b>	$\pm <0.35\%$
<b>REPRODUCIBILITY</b>	$\pm <0.05\%$
<b>CONNECTIVITY</b>	USB-B, RS232 and TTL Ports
<b>POWER</b>	110/220 VAC
<b>MULTI STEPS</b>	program steps up to 20 step / loop steps up to 99 loop
<b>WEIGHT</b>	19 lbs (8.61kg)
<b>MODULAR CAPABILITY</b>	4-Channel Syringe Rack
<b>SCREEN SIZE / TYPE</b>	4.3 inch LCD glass touch screen
<b>DIMENSIONS</b>	11 x 10 x 6.9 inches (28 x 26 x 14 cm)
<b>MOTOR DRIVE</b>	1.8° Stepper Motor with Micro-stepping

**SYRINGE HEATING SLEEVE TEMPERATURE LIMIT** up to 80°C