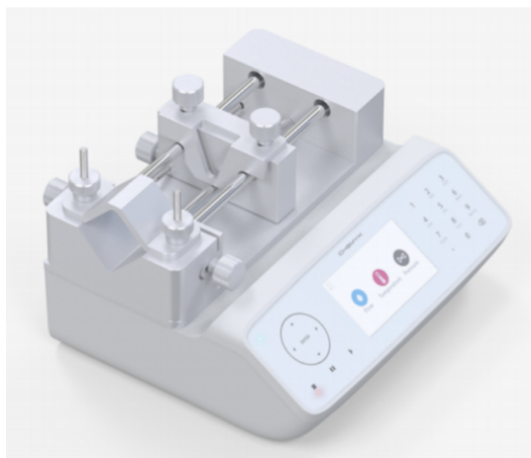


# Fusion 6000-X Data Sheet



The Fusion 6000-X 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. It includes prime buttons that allow you to easily adjust the push blocker to the syringe.

## TECHNICAL SPECIFICATIONS

<b>MODE</b>	Infuse & Withdraw
<b>MINIMUM FLOW RATE</b>	0.0001 $\mu$ L/min (with 0.5 $\mu$ L syringe)
<b>MAXIMUM FLOW RATE</b>	408 mL per min (with 300mL syringe)
<b>LINEAR FORCE</b>	up to 700 lbs (318 kg)
<b>SYRINGE SIZE (MIN/MAX)</b>	0.5 $\mu$ L to 300mL SS
<b>STEP RESOLUTION</b>	0.0938 $\mu$ m/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 99 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