

# 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>Accuracy</b>	$\pm < 0.35\%$
<b>Reproducibility</b>	$\pm < 0.05\%$
<b>Syringe Size (Min/Max)</b>	0.5 $\mu$ L to 300mL Stainless Steel Syringe
<b>Syringe Type</b>	Plastic, Glass and Stainless Steel
<b>Syringe Heating Sleeve Temperature</b>	up to 80°C
<b>Minimum Flow Rate</b>	.0001 $\mu$ L/min (with 0.5 $\mu$ L syringe)
<b>Maximum Flow Rate</b>	408 mL/min (with 300mL syringe)
<b>Linear Force</b>	up to 700lbs (318kg)
<b>Maximum Viscosity</b>	250,000 cP
<b>Display</b>	4.3 inch LCD Touch Screen
<b>Connectivity</b>	USB-B, RS232 and TTL Ports
<b>System Dimensions</b>	11 x 10 x 7.0 inches (28 x 26 x 18 cm)
<b>Power</b>	110/220 VAC, 100W
<b>Weight</b>	19lbs (8.61kg)
<b>Motor Drive</b>	1.8° Stepper Motor with Micro-stepping
<b>Step Resolution</b>	0.0938 $\mu$ m/step
<b>Operating 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>Humidity</b>	20% to 80% RH, non-condensing
<b>Installation Category</b>	II
<b>Regulatory Compliance</b>	CE, RoHS, REACH, ETL