

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

Mode	Infuse/Withdraw
Accuracy	$\pm < 0.35\%$
Reproducibility	$\pm < 0.05\%$
Syringe Size (Min/Max)	0.5 μ L to 300mL Stainless Steel Syringe
Syringe Type	Plastic, Glass and Stainless Steel
Syringe Heating Sleeve Temperature	up to 80°C
Minimum Flow Rate	.0001 μ L/min (with 0.5 μ L syringe)
Maximum Flow Rate	408 mL/min (with 300mL syringe)
Linear Force	up to 700lbs (318kg)
Maximum Viscosity	250,000 cP
Display	4.3 inch LCD Touch Screen
Connectivity	USB-B, RS232 and TTL Ports
System Dimensions	11 x 10 x 6.9 inches (28 x 26 x 14 cm)
Power	110/220 VAC, 100W
Weight	19lbs (8.61kg)
Motor Drive	1.8° Stepper Motor with Micro-stepping
Step Resolution	0.0938 μ m/step
Operating Temperature	4°C to 40°C (40°F to 104°F)
Storage Temperature	-10°C to 70°C (14°F to 158°F)
Humidity	20% to 80% RH, non-condensing
Installation Category	II
Regulatory Compliance	CE, RoHS, REACH, ETL