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
MINIMUM FLOW RATE	$0.0001~\mu L/min$ (with $0.5~\mu L$ syringe)
MAXIMUM FLOW RATE	408 mL per min (with 300mL syringe)
LINEAR FORCE	up to 700 lbs (318 kg)
SYRINGE SIZE (MIN/MAX)	0.5μL to 300mL SS
STEP RESOLUTION	0.0938 μm/step
OPERATIONAL TEMPERATURE	4°C to 40°C (40°F to 104°F)
STORAGE TEMPERATURE	-10°C to 70°C (14°F to 158°F)
ACCURACY	± <0.35%
REPRODUCIBILITY	± <0.05%
CONNECTIVITY	USB-B, RS232 and TTL Ports
POWER	110/220 VAC
MULTI STEPS	program steps up to 99 step / loop steps up to 99 loop
WEIGHT	19 lbs (8.61kg)
MODULAR CAPABILITY	4-Channel Syringe Rack
SCREEN SIZE / TYPE	4.3 inch LCD glass touch screen
DIMENSIONS	11 x 10 x 6.9 inches (28 x 26 x 14 cm)
MOTOR DRIVE	1.8° Stepper Motor with Micro-stepping

SYRINGE HEATING SLEEVE TEMPERATURE LIMIT up to 80°C