

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 both heated syringe temperature control and pressure modulation while providing precision flow and performance that are critical to experimental success.

TECHNICAL SPECIFICATIONS

MODE	Infuse/Withdraw
MINIMUM FLOW RATE	0.0001 $\mu\text{L}/\text{min}$ (with 0.5 μL syringe)
MAXIMUM FLOW RATE	423 mL/min (with 225mL syringe)
LINEAR FORCE	500lb (227kg)
SYRINGE SIZE (MIN/MAX)	0.5 μL to 225mL
STEP RESOLUTION	0.0938 $\mu\text{m}/\text{step}$
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	$\pm <0.35\%$
REPRODUCIBILITY	$\pm <0.05\%$
CONNECTIVITY	USB-B, RS232 and TTL Ports
POWER	110/220 VAC
SYRINGE RACK OPTION	4-Channel Syringe Rack

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