

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	.0001 mL/min (with 0.5mL syringe)
MAXIMUM FLOW RATE	270 mL/min (with 200mL syringe)
LINEAR FORCE	500lb (227kg)
SYRINGE SIZE (MIN/MAX)	0.5 μ L to 225mL
STEP RESOLUTION	0.0938 μ m/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
SYRINGE HEATING SLEEVE TEMPERATURE LIMIT	up to 80°C

i SELECT APPLICATIONS

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- Vaporizer Filling
- Fracking Research
- Electrospinning
- Reagent Dispensing
- Pressure Reactor Injection
- High Viscosity Fluid Dosing
- Polymer Dosing

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SAFETY DISCLOSURE: Chemyx syringe pumps can not be used with testing involving gas input or output. No reactive hazardous chemicals liquids should be used with Chemyx syringe pumps.