

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

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| 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 |
| MULTI-STEP PROGRAMMABLE | Program steps up to 99 step / Loop steps up to 99 loop |
| CONSTANT PRESSURE MODE | Available |

i SELECT APPLICATIONS

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

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.