

SF-10 Plus laboratory pump

HEATED DELIVERY OF CHALLENGING REAGENTS

Many reagents become highly viscous, crystallize, or are solid at room temperature, making accurate pumping difficult or impossible. The SF-10+ overcomes these challenges by heating the pump head, inlet, outlet and internal flow path to temperatures up to 80 °C, enabling reliable delivery of challenging reagents while eliminating cold spots. Temperature can be controlled directly from the touchscreen or via serial commands.



Applications for heated pumps

- Pump viscous reagents reliably
- Prevent crystallization during pumping
- Deliver higher concentration solutions
- Pump reagents that are solid at room temperature
- Sample hot reaction mixtures without precipitation

Key features

- Entire wetted flow path heated to 80 °C
- Eliminates cold spots and crystallization
- Precise temperature control
- Self-priming
- 0.02–10 mL/min
- Up to 10 bar
- Pumps solutions, suspensions, light slurries and gases

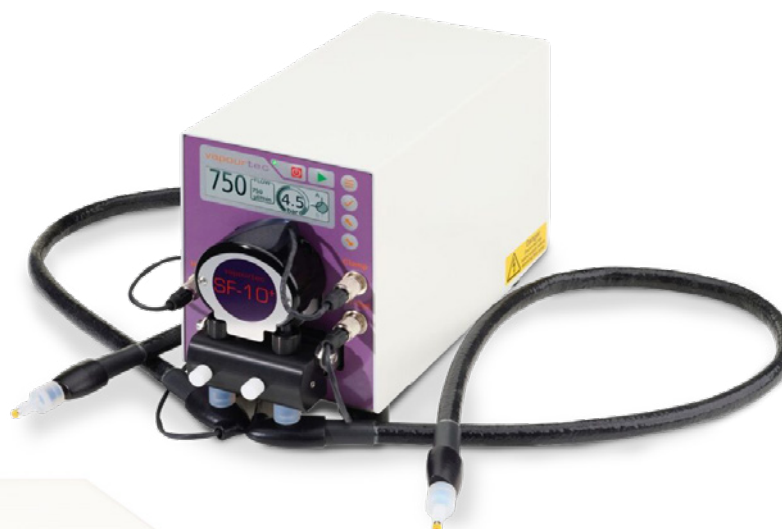


Compact and Versatile

- Compact footprint:
76 cm (W) x 72 cm (D) x 27 cm (H)
- 700-240 VAC universal power input
- RS-232 remote control

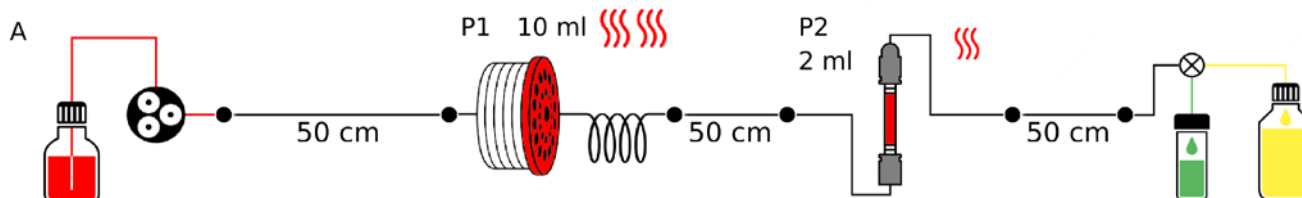
Advanced control

The Vapourtec V-3 pump provides smooth, pulse-free delivery over a wide flow range. Chemically resistant tubing is compatible with a broad range of synthesis solvents, acids and bases, while the intelligent drive system delivers accurate, reproducible flow.



Simple to use

Unlike conventional peristaltic pumps, the Vapourtec V-3 continuously adjusts rotor speed to compensate for tubing deformation and pressure changes. The result is smoother flow, improved accuracy and simple operation without user adjustment.



Example application of the Vapourtec SF-10+ heated laboratory pump for reagent delivery and preheating. Schematic for illustrative purposes.

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SF-10 laboratory pump



eBPR



Fmoc-UV detector