

## LabAlliance Model CP HPLC Column Packing Pump



Model CP is an electric high pressure pump operating in four constant pressure modes to efficiently pack small diameter packing materials and columns. The Model CP allows constant packing pressures up to 10,000 psi within a flow rate of .01-12 mL/min. The pump can also be used in a constant-flow mode with an E PROM change.

Rating: Not Rated Yet

**Price:**

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Manufacturer: [LabAlliance](#)

Description

### A Better Way to Pack Columns

Model CP is an **electric high pressure pump** operating in four constant pressure modes to efficiently pack small diameter packing materials and columns. The Model CP allows **constant packing pressures up to 10,000 psi** within a flow rate of .01-12 mL/min. The pump can also be used in a constant-flow mode with an E PROM change.

### User-Selectable Controls

The pump features a user-selectable flow ramping rate to optimize the packing process. In addition, you can select and set the desired pressure, maximum flow, and either the fast-pack or standard mode. When these features are used, the flow rate automatically adjusts to maintain pressure in any column size up to 1/2" and any particle diameter, making it the most versatile column packing pump on the market.

### Column Packing Simplified

The **Model CP reduces turbulence** and shear during the packing process, leading to more uniform bed structures and less fines generation than traditional methods of packing using high-pressure pneumatic amplifier pumps. The packing pressure can be monitored during the process to verify performance.

The pump features simple keypad or RS-232 control and a digital stepper drive for precise flows and pressures. A column packing system is also available for use with the model CP.

Includes **THREE (3) YEAR WARRANTY.**

**F05SNXP1 Model CP Constant Pressure Pump, 0.01-12 mL/min.**

**Standard Features and Controls:**

- Dual pump heads for reduced pulsation
- Real-time pressure monitoring with upper/lower pressure limits.
- Remote 0-10 volt & remote 0-10 kHz flow rate control input
- Simple front panel key pad controls with LED display
- Autoprime™ one button toggles flow rate to maximum for rapid solvent change
- Motor stall detector
- Prime purge valve
- RS-232 serial COM port for complete control & status monitoring
- Run/stop inputs (5 volt TTL type)