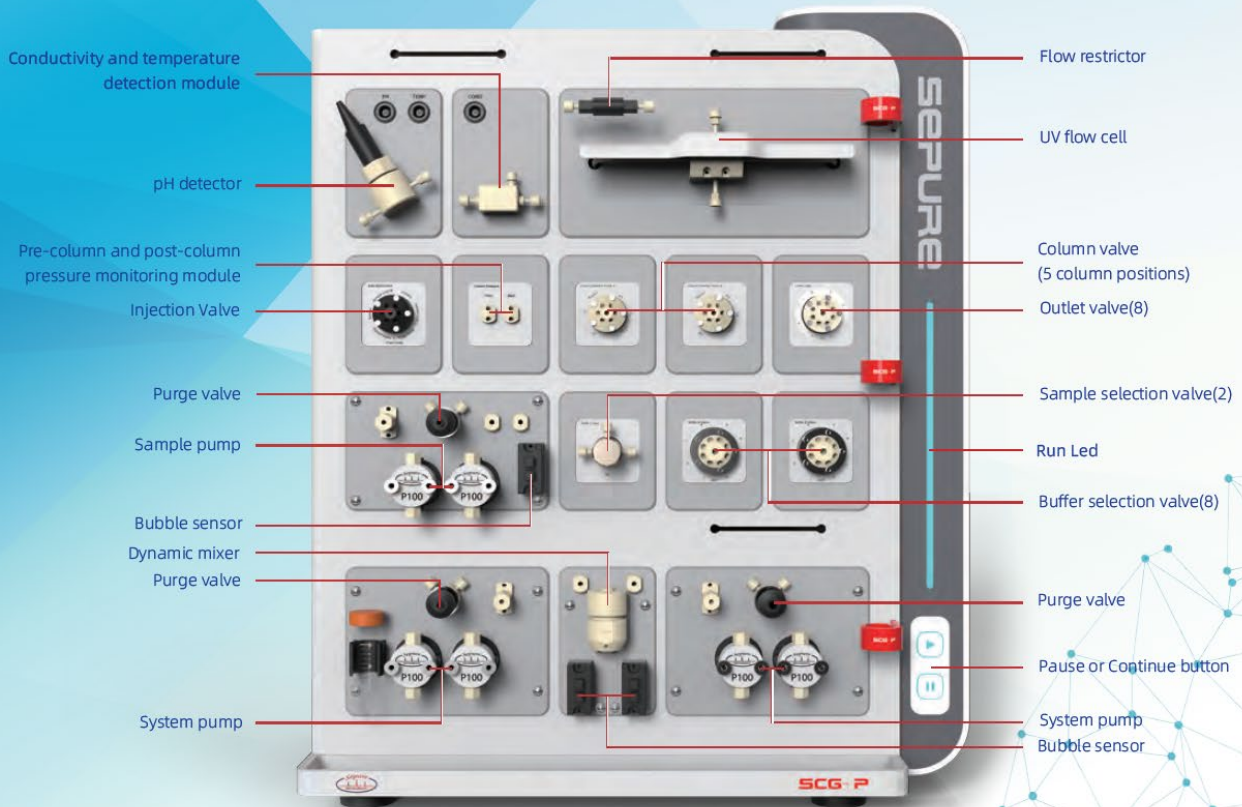




SCG-P Comprehensive protein purification system

The SCG-P is a state-of-the-art biological purification system for fast detection, separation, and purification of various biomolecules, such as proteins, peptides, nucleic acids etc. The system is fully automated with the necessary functionality to meet your research work.

- Modular and flexible design offer you with wide variety of configurational options that is most suitable for your needs.
- Reliable biocompatible, dual-piston system-pump with max flow rate of 30, 300 or 300 ml/min.
- Stable UV-detector of single fixed or multiple channel variable wavelengths.
- Optimize the flow path with several optional valves to fit your process.
- Reliable and biocompatible components integrated for robust purification process, smooth operation, and dependable results.
- User-friendly software gives you an easy and intuitive way to set-up, define and run your methods, monitoring the status, and analyze data.
- Compact size and optimized layout provide a good fit in your laboratory or workspace.



| Model | SCG-P-030 | SCG-P-100 | SCG-P-300 |
|------------------------------------|--|--------------------------|--------------------------|
| System pump | Complete machine import, peek material, double pump four pump head, good biological compatibility | | |
| Flow rate range | 0.001-36.00ml/min | 0.01-99.99ml/min | 0.1-300.0ml/min |
| Maximum pressure resistance | 0-27MPa(270bar,4000psi) | 0-10MPa (100bar,1450psi) | 0-6.8MPa (68bar,1000psi) |
| Flow accuracy | ±1.2% | | ±2% |
| Flow precision | RSD<0.5% | | |
| Gradient type | Isocratic degree, linear gradient, step step gradient, can modify the gradient proportion online | | |
| UV-detector | Choose from fixed dual wavelengths (260nm and 280nm); or one of our multi-channel with variable wavelength (200-400, 200-600, 200-800) | | |
| Length accuracy / repeatability | ±1nm / ±0.5nm | | |
| Noise / drift | 0.16mAu (1s) / 1mAu/h | | |
| Conductivity detector | 0.001-999.99mS/cm, precision ± 0.1mS / cm or ± 2% | | |
| Temperature sensor | 0-100°C, precision ± 1°C, temperature compensation for conductance, pH | | |
| pH detector | 0-14, precision ± 0.1 (2-12) | | |
| Automatic sample injection valve | Automatic sample inject, software control, automatic switch of Load, Inject, Waste mode, support for quantitative ring and quantitative cup sample entry | | |
| The Chromatography workstation | SCG Chromatography Workstation: workstation software (including copyright). | | |
| Bubble sensor | Detect air bubbles in the flow path to enter the next operation or stop. | | |
| *Buffer selection module | Select from the A1,A2 and B1,B2, and the A / B pump provides 8 buffer entrances each | | |
| *Column pressure monitoring module | Check the pre-and post-column pressure | | |
| *Column-position C valve | Support the column and bypass functions, and the positive and reverse flushing function. | | |
| *3 / 5-column selection module | Allow the installation of 3 or 5 columns at the same time, enable switching among columns via software. | | |
| *Fraction collector | Small size, flexible collection methods, can place the same or different specifications of the collection rack side by side, automatically identify the collection rack. | | |