

# Series 1500 Constant-flow Pump

## Series 1500 HPLC Pump

### Introduction

Chrom Solutions Ltd., registered in Canada, is the cooperative partner of SSI-ALLCHROM TECHNOLOGIES LLC (OEM) .

Series 1500 constant-flow pump is ideal for delivering liquid with high precision. It is mostly used in micro-reaction device to deliver liquid medium and analyze small-sized preparative HPLC system. The dual-piston design and the usage of septum storing energy pulse damper with low dead volume can eliminate pulse fluctuation assuring of stable performance. Flow rate is accurate to 0.001mL/min and it is suitable for columns with various inner diameters when in HPLC systems.

Series 1500 pump, characterized with liner cam, pressure compensation techniques and dual-pump system, enables to provide precise binary gradient elution.

Standard controls consisting of RS-232 serial port, run/stop input and remote analog control perform real-time pressure monitoring and constant flow controlling.

Digital stepping motor and high performance make it possible that the maximum pressure can be up to 6000psi. Automatic in-line flushing function is the standard configuration.

### Application Range:

Used to precise measurement delivering liquid for various micro reaction devices and liquid chromatographic delivery pump

Demanding bio-compatible applications

Precise measurement delivering liquid in 12ml/min

Research, development, teaching and quality identification

### Specifications:

Flow Rate	0.001-10 ml/min or 0.001-12ml/min
Pressure	0-6000psi (SS)
Flow Accuracy	> 1%
Flow Repeatability	0.075%RSD
Dimensions	7.09"Hx13.63"Wx19.48"D
Weight	24.7 lbs. (11.2Kg)
Power	220V, 50/60Hz
Performance	Prime-purge valve, pulse dampener self-flush pump head, OLED display
Remote Inputs	RS-232, voltage (0-10V)

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### Features:

- Dual-head pump and pulse dampener eliminating pulse
- Pressure-assistant and high precision
- Key input controller with OLED displayer
- Dual-and single-check valves avoiding liquid back-flow
- In-time self-flushing design to ensure constantly working and decreasing usage costs of pump
- Enable to deliver liquid in isocratic and gradient way with flexible configuration
- Real time monitoring to upper and lower pressure
- Press Auto-prime button for rapid solvent replacement
- RS-232 input ports for controlling & status monitoring
- Available to deliver most of liquid with different materials
- Run / Stop inputs (5 v TTL )

### Ordering Information (Allchrom Series 1500) :

Part No.	Descriptions
1510SFD01EV	Series 1510 pump, 0.001-10mL/min, self-flush assembly, pulse dampener, incorporating pressure transducer and RS-232 control, optional voltage, SS
1512SFD01EV	1512 pump, 0.001-12mL/min, self-flush assembly, pulse dampener, incorporating pressure transducer and RS-232 control, optional voltage, SS

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