

Prep-250 Pump

High Performance Dual Piston Pump

The Prep-250 is specifically designed for Preparative Chromatography and LC Column Packing.

- *Dual Piston Design for Precise Flow Rates and Low Pulsation*
- *Wide Flow & Pressure Range*
- *Easy Maintenance*
- *High Performance at a Low Cost*



High Performance at a Low Cost

The Prep-250 pump is specifically designed to meet the requirements of Preparative Liquid Chromatography (HPLC) and high pressure process/metering applications. Standard features include LCD keypad and RS-232 interface.

Easy Maintenance

All Scientific Systems, Inc. pumps are known for fast, easy maintenance. Check valves, piston & seals are readily accessible, and Automatic Piston Wash is available.

Wide, Accurate Flow & Pressure Range

The Prep-250 is a dual-head, positive displacement (piston) pump, with servo motor, belt drive and reliable eccentric cams. The unit delivers very precise flow rates up to 250 ml/minute, with pressures to 10,000 p.s.i.

The Best Performance for the Investment

Available in all Stainless Steel or Titanium fluid path, the Prep-250 pump provides high performance at a very competitive price. Prime-Purge Valve, Outlet Filter and Pressure Transducer are standard.

All Pumps from Scientific Systems, Inc. include a 3-Year Warranty.

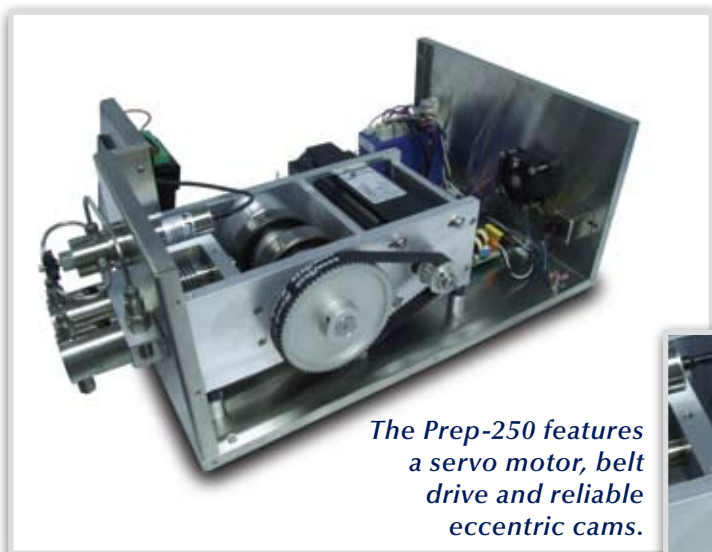
Rev.2 - 9/9/09

Prep-250 Pump

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Prep-250 Features

- Dual-Head Design for Very Accurate Flow Rates and Low Pulsation
- Servo Motor, Belt Drive Mechanism, with Reliable Eccentric Cams
- Ceramic Pistons and Ruby/Sapphire Check Valves (3/16" Ball; single capsule)
- Prime-Purge Valve and Outlet Filter
- Pressure Transducer (in "T" fitting) with Upper/Lower Pressure Limits
- Constant Pressure Control Mode Available (for LC Column Packing)
- Universal Voltage Input: 90 – 260 VAC / 50 – 60 Hz
- Optional Pulse Dampener
- Optional Self-Washing Pump Heads
- Available in Kit-Form for OEMs
- Stainless Steel or Titanium Fluid Path
- Industrial Stainless Steel Enclosure
- Motor Stall Detector
- Interactive LCD keypad
- **EZChrom** Driver available



The Prep-250 features a servo motor, belt drive and reliable eccentric cams.



Prep-250 Pump Specifications

Flow Rates	0.001 - 250.0 mL/min.
Pressure	10,000 psi
Flow Accuracy	≤ 2% of set point
Flow Precision	0.5% RSD
Pulsation	< ± 5.0% @ 150 mL/min., 3,000 psi
Dimensions	9" H x 14" W x 22" D (22.8 x 35.6 x 55.9 cm)
Weight	50 lbs. (22.7 kg)

Control Interface

Advance PLC Control with Fully-Featured Front Membrane User Interface and Status Display (MMI)



Constant Pressure or Constant Flow Modes

- Pressure or Flow Rate Set Point
- Upper/ Lower Pressure Limits
- Alarms

"Quick Set" Pump Control Software for Constant Pressure Packing Process included; requires Customer-supplied PC

Protocols for RS-232 Serial Interface available in manual

Ordering Information

Description	Part No.
Prep 250 Pump, 0.1–250.0 mL/min, constant flow	P25SNX01
CP 250 Pump, 0.1–250.0 mL/min, constant pressure	P25SNXP1

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