

Model SFC-24

Positive Displacement Pump for Liquid CO₂



“your chromatography specialists”

The Model SFC-24 Positive Displacement Pump provides reliable, accurate, and reproducible pumping of liquid CO₂ for SFC, SFE, and other applications. The SFC-24 is available with a maximum flow rate of 24 mL/min, and can reach pressures to 10,000 psi.

The pump's constant pressure mode features a selectable pressure set point. The flow rate auto-adjusts to maintain pressure.

The SFC-24 features integrated cooling systems using Peltier thermoelectric modules. The cooling is fully self-contained within the pump cabinet, eliminating the need for external refrigeration units and the associated piping, coolants, and Freon. Peltier technology is 100% solid state.

Standard Features

- All aluminum pump heads (for heat transfer)
- Integrated cooling system using Peltier thermoelectric modules
- Stainless Steel fluid path (other than pump heads)
- In-line electronic pressure transducer
- Simple front panel keypad controls with led display
- Motor stall detector
- Outlet filter
- RS232 and remote voltage control standard
- 3 year warranty!

Chrom Tech, Inc.

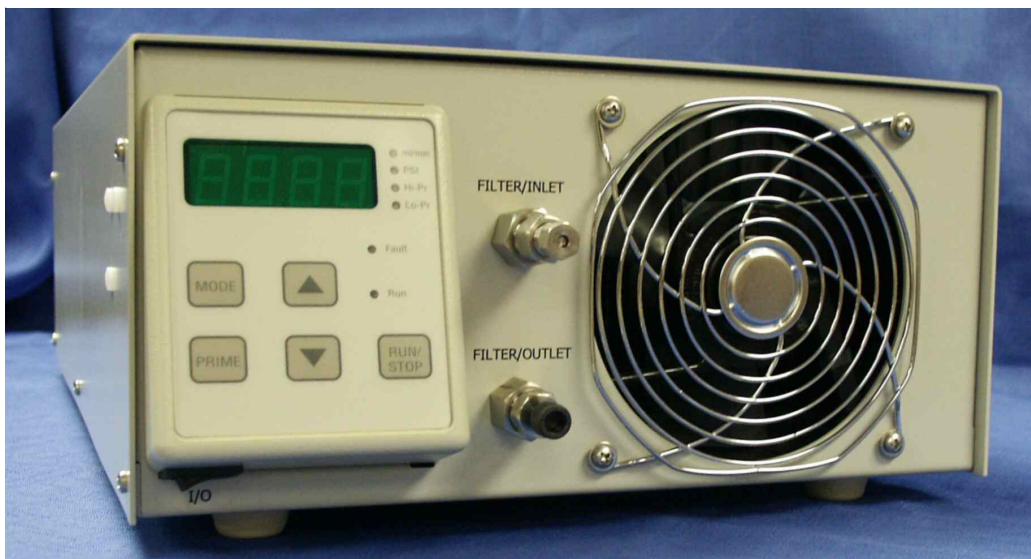
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P.O. Box 240248, Apple Valley, MN 55124
800/822-5242 in MN 952/431-6000 • 952/431-6345 fax
email: sales@chromtech.com • www.chromtech.com

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Model SFC-24

Positive Displacement Pump for Liquid CO₂



Specifications:

Flow Rate	0.01 - 24.00 mL/min.
Pressure	0 - 10,000 psi
Pressure Accuracy	±2% of full scale pressure
Flow Accuracy	±5% (based on gas volume measurements and back calculation to liquid)
Controls	RS-232 Serial Com Port for Complete Control & Status Monitoring Run/Stop Inputs (5 volt TTL type) Remote 0 - 10 volt & remote 0 - 10 kHz Flow Rate Control Input Pressure monitoring (via transducer) with user selected upper/lower pressure limits
Constant Pressure	User-selectable pressure set point. Pump flow rate auto-adjusts to maintain
Control Mode:	Pressure
Dimensions/Weight	5.75" H x 11.125" W x 21.125" D / 36 lbs.; 15 x 28 x 54 cm / 16.5 kg

Pump is not CE marked.

Ordering Information

P-2024SFC	Supercritical 24 Pump, constant pressure, self-flush, 0.01-24 mL/min., 110/220V, with RS232 control, pressure monitoring, thermo-electric head chillers
P-2024SFC-CF	Supercritical 24 Pump, constant flow, self-flush, 0.01-24 mL/min., 110/220V, with RS232 control, pressure monitoring, thermo-electric head chillers

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