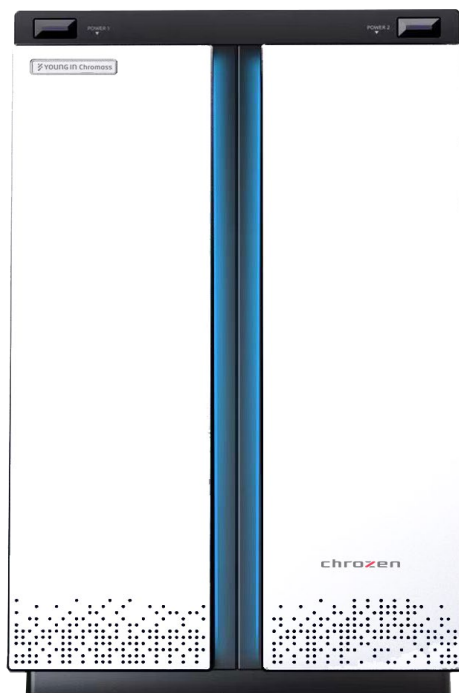




ChroZen 2260 Ion Chromatograph

Major Features

- Simultaneous Anion & Cation Analysis by Dual-Channel Design
- Real-Time Suppressor & Column Health Monitoring
- Advanced Leak & Pressure Protection
- Space-Saving Compact Design

Main System

Pump

- Type: High-pressure and low-pulse two-piston tandem advection pump
- Maximum Pressure: 42MPa
- Flow Rate Range: 0.001~12mL/min
- Pressure Ripple: $\leq 0.5\%$
- Flow Precision: $\leq 0.1\%$
- Flow Accuracy: $\leq 0.1\%$
- External Diameter of the Tube: 1/16"

Valve

- Contact Material of the Rotor: PEEK
- Control Mode: By Stepper motor
- Power Supply: 24V (DC)

Column Heater

- Operating Temperature Range: 5 to 85 °C
- Controlling Temperature Accuracy: $\pm 0.01^\circ\text{C}$
- Temperature Stability: $\leq 0.05^\circ\text{C/h}$ (2, 3, 4 and 5 mm I.D.)
- Columns Supported: Maximum length 250 mm analytical column
with 50 mm guard column.

Suppressor

- Type: Self-Regeneration electrolytic micro-membrane suppressor
- Maximum Pressure: 6.0MPa
- Void Volume <40 μL (4mm)
<15 μL (2mm)

Conductivity Detector

- Type: Auto-range conductivity detector
- Cell Volume: $\leq 0.4\mu\text{L}$
- Detection Range: 0~50000 $\mu\text{S/cm}$
- Resolution: $\leq 0.0020\text{nS/cm}$

- Output Voltage: -6000~+6000mv(adjustable)
- Electronic Noise: 0.02nS
- Baseline Noise: $\leq 0.0005\mu\text{S}/\text{cm}$
- Baseline Drift: $\leq 0.005\mu\text{S}$
- Temperature Range: Ambient +5°C~60°C
- Controlling Temperature Accuracy: $\pm 0.01^\circ\text{C}$
- Temperature Compensation: 1.7 %/ $^\circ\text{C}$
- Maximum Pressure: 10.0MPa
- Instrument Linearity: ≥ 0.999
- Minimum Detectable Concentration: $\text{Cl}^- \leq 0.0004\mu\text{g}/\text{mL}$
 $\text{Li}^+ \leq 0.0001\mu\text{g}/\text{mL}$

Others

- Quantitative Repeatability: $\leq 0.2\%$
- Qualitative Repeatability: $\leq 0.2\%$
- Leakage Sensor Configured as Standard
- Gas-Liquid Separator: Configured as Standard
- Flow Path: PEEK Material
(Chemically inert, metal-free PEEK flow paths, compatible with aqueous eluents of pH 0–14 and reversed-phase solvents)
- Power Supply: 320W
- Dimension (W x D x H): 422 x 500 x 641 mm
- Net Weight: 42 Kg

Warranty

- 3-years from installation date
(Subject to installation being completed within one month of shipment.)