

CIC-D120



Stable, flexible and convenient

I.Features:

- 1. Temperature-control bipolar conductivity detector (CN 202033335U)**
Greater detection range, better precise analysis
- 2. Built-in circulating 3D constant temperature technology (CN 204259917U)**
Temperature stability time is less than 30 mins, ensuring the accuracy and reliability of test data
- 3. The world's leading full-range series of ion chromatographic columns**
High efficiency, large capacity of the columns for detecting ions of varied compositions
- 4. Self-Regenerating Electrolytic Micro-membrane Suppressor (CN 102735792A)**
High pressure resistance, small dead volume, highly responsive to signals
- 5. Able to detect anions and cations at the ppb level**
- 6. Work across a variety of detectors, to expand the scope of applications of ion chromatography**

II. Technical Parameter:

Ion Chromatographic Pump	Type	High-pressure and low-pulse two-piston tandem advection pump
	Maximum Pressure	35MPa(PEEK)
	Pressure Display Accuracy	≤ 0.1 MPa
	Flow Stability	(0.2-0.5)mL/min $\leq 3\%$; (0.5-1.0)mL/min $\leq 2\%$; > 1.0mL/min $\leq 2\%$;
	Allowable Deviation of Flow	(0.2-0.5)mL/min , $\pm 5\%$; (0.5-1.0)mL/min, $\pm 3\%$; > 1.0mL/min, $\pm 2\%$;
	Flow Range	0.001~9.999mL/min
	Pressure Pulse	$\leq 0.5\%$
	Flow Precision	$\leq 0.1\%$
	Flow Accuracy	$\leq 0.1\%$
Numerical-control and Electromagnetic Sample Injector	Maximum Pressure	35MPa
	Contact Material of the Rotor	PEEK
	Control Mode	By Stepper motor
	Power Supply	24V (DC)
Suppressor	Type	Self-Regenerating electrolytic micro-membrane suppressor
	Maximum Pressure	6.0MPa

		Dead Volume	<50 μ L
Digital and Temperature-control Detection System	Conductivity Detector	Type	Temperature--control and bipolar conductivity detector
		Detection Mode	Bipolar conductivity detection
		Cell Volume	\leq 0.8 μ L
		Detection Range	0~45000 μ S/cm
		Detection Resolution	\leq 0.0020nS/cm
		Output Voltage	-6000~+6000mV (adjustable)
		Electronic Noise	0.02nS
		Baseline Noise	\leq 0.001 μ S
		Baseline Drift	\leq 0.01 μ S
		Operating Temperature Range	Room temperature +5 $^{\circ}$ C ~60 $^{\circ}$ C \pm 0.01 $^{\circ}$ C
		Controlling Temperature Accuracy	\pm 0.01 $^{\circ}$ C
		Maximum Pressure	10.0MPa
		Linear Range	\geq 10 ³
		Instrument Linearity	\geq 0.999
		Quantitative Repeatability	\leq 0.5%
Qualitative Repeatability	\leq 0.5%		
Minimum Detectable Concentration	Cl- \leq 0.0002 μ g/mL; Li+ \leq 0.0002 μ g/mL		
Flow System	Plastic Flow Path	Made of PEEK materials	

	Six-way Valve	PEEK material, pressure 5000psi;Independent automatic collecting and flow function.
Power Supply		150W
External Size(L*W*H*)		350*470*510(mm)
Net Weight(KG)		26
Gross Weight(KG)		32