

DW-CIC-D120 Ion Chromatograph

Features

1. Auto-range conductivity detector.

Greater detection range, better precise analysis

2. Built-in circulating 3D constant temperature technology.

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 chromatograph columns

High efficiency, large capacity of the columns for detecting ions of varied compositions

4. Self-Regenerating electrolytic micro-membrane Suppressor.

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.



Specifications

Flow Path	PEEK material	Chemically inert, metal-free PEEK flow paths, compatible with aqueous eluents of pH 0–14 and reversed-phase solvents
Pump	Type	High-pressure and low-pulse two-piston
	Maximum	tandem advection pump
	Pressure	42MPa
	Flow Rate Range	0.001~9.999mL/min
	Pressure Ripple	≤0.5%
	Flow Precision	≤0.1%
	Flow Accuracy	≤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	Ambient temperature + 5 to 60 °C
	Controlling Temperature Accuracy	±0.1°C
	Temperature Stability	≤0.1°C/h
	Columns Supported	2, 3, 4 and 5 mm i.d. Maximum length 250 mm analytical column with 50 mm guard column.

Conductivity Detector	Type	Auto-range conductivity detector
	Cell Volume	≤0.8μL
	Detection Range	0~45000μS/cm
	Resolution	≤0.0020nS/cm
	Output Voltage	-6000~+6000mv(adjustable)
	Electronic Noise	0.02nS
	Baseline Noise	≤0.001μS/cm
	Baseline Drift	≤0.01μS
	Operating Temperature Range	Ambient +5°C~60°C
	Controlling Temperature Accuracy	±0.01°C
	Temperature Compensation	1.7 %/°C
	Maximum Pressure	10.0MPa
	Instrument Linearity	≥0.999
	Quantitative Repeatability	≤0.5%
	Qualitative Repeatability	≤0.5%
Suppressor	Minimum Detectable Concentration	Cl-≤0.0005ug/mL; Li+≤0.0005ug/mL;
	Type	Self-Regeneration electrolytic micro-membrane suppressor
	Maximum Pressure	6.0MPa
	Non-Suppressed Chromatography	Yes/support
Void Volume		<40μL (4mm), <15μL (2mm)
Power Supply		150W
External Size(L*W*H*)		350*470*495(mm)
Net Weight(KG)		26
Gross Weight(KG)		32