

High Performance Liquid Chromatography System

Introduction:

Liquid chromatography is a technique that uses a liquid as the mobile phase to separate mixtures through a stationary phase. It utilizes the differences in partition coefficients and adsorption capacities of various components between the two phases, achieves separation through repeated distribution equilibrium, and combines with detectors for qualitative and quantitative analysis.



Features:

- * The original pipelines and signal lines between the units are integrated into the instrument, which is convenient for installation and maintenance, economical and efficient.
- * The one-way valve is upgraded to an integrated one-way valve, which greatly reduces the maintenance cost while ensuring the service life of the instrument.
- * Intelligent networked chromatography management workstation software is configured.
- * Liquid leakage alarm, pump head pressure loss alarm, etc. are configured.

Technical Parameters:

Model	BK-80HPLC (Type I) Isocratic manual system	BK-80HPLC (Type II) Isocratic manual system
Flow Range	0.001~5.000ml/min	
Flow Stability Error SR	<0.1%	
Flow Setting Value Error SS	≤±1%	
Maximum Working Pressure	40MPa	
Qualitative Repeatability	RSD6≤±0.2%(naphthalene/methanol standard)	
Quantitative Repeatability	RSD6≤±0.5% (naphthalene/methanol standard)	
Pressure Fluctuation	0.1MPa	
Spectrum Bandwidth	8nm	
Wavelength Accuracy	±1nm	
Wavelength Precision	Below 0.1nm	
Noise	≤0.25×10 ⁻⁵ AU(static)/±1×10 ⁻⁵ AU (dynamic, under given conditions)	
Drift	≤0.4×10 ⁻³ AU/h(static)/≤2×10 ⁻³ AU/h (dynamic, under given conditions)	
Minimum Detectable Concentration	5×10 ⁻⁹ g/mL(naphthalene/methanol solution)	
Configuration	Main unit (Isocratic+UV detector), injection valve, control software, 150mm C18 column	Main unit (Isocratic+UV detector), injection valve, control software, 250mm C18 column
Optional Accessories	Column, column oven	
Power Supply	Standard: AC220V 50/60Hz; optional: 110V 50/60Hz	
External Size(W*D*H)	220*455*267mm	
Packing Size(W*D*H)	450*630*450mm	
Gross Weight	20kg	

Pure Water Hydrogen Generator



Laboratory Type

Features:

- * SPE technology.
- * No corrosion and pollution.
- * High purity hydrogen (99.999%)(for Laboratory type).
- * Suitable for all kinds of GC(Gas chromatography).
- * Stable output flow, safe and convenient to operate, various alarm devices (over pressure alarm, water shortage alarm, water accumulated alarm).
- * The electrolytic cell adopts imported ionic membrane, which has the characteristics of resistance, durability and long life.(for Breathing Type (plastic shell)).
- * The output flow of electrical automatic control system is stable and the fluctuation is small. (for Breathing Type (plastic shell)).

Technical Parameters:

Model	HGC-200	HGC-300	HGC-600
Type	Laboratory type	Laboratory type	Laboratory type
Output Flow(ml/min)	0~200	0~300	0~600
Output Pressure	0.4MPa/0.02~0.7MPa (under stable pressure)	0.4MPa/0.02~0.7MPa (under stable pressure)	0.4MPa/0.02~0.7MPa (under stable pressure)
Hydrogen Purity	>99.999%	>99.999%	>99.999%
Silicon tube	Yes	Yes	Yes
Pressure stability	<0.001Mpa		
Consumption	120W	150W	300W
Power Supply	AC 110V/ 220V±10%, 50/60Hz		
External Size (W*D*H)	350*220*380mm	350*220*380mm	350*220*380mm
Package Size (W*D*H)	500*370*540mm	500*370*540mm	500*370*540mm
Net Weight	11kg	11kg	13kg
Gross Weight	12kg	12kg	14kg