labodam

Preparative HPLC-676

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Preparative HPLC-676

Preparative HPLC-676 is equipped with 4 pump head variation and a UV or RI detector with a wavelength range of 190 to 400 nm and 400 to 800 nm. Built in multi positioned fraction valve and controlled fractionation optimizes controlled fraction collection and solvent recycling. With a column size of 10 x 1000 mm the retention, resolution and selectivity is optimized.

Features

- Solvent flow rate is 250ml / min
- Multiple chromatogram view
- 27 integrated programmable parameters like peak width, tangent slope etc.
- Compatibility for medium and low pressure application
- 10 points pressure calibration for pressure linearity
- Auto apply of mathematical operations to chromatograms
- Automated sequential commands post batch run
- External pump control by panel or computer software
- Addition of tools for detector controlled fraction collection and solvent recycling
- Controlled fractionation with option of manual control during the run
- Error alarm function for over pressure ,under pressure and leakage

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Applications

Used for purification of peptides and proteins, separation of high molecular mass compounds, separation of protein mixtures, qualitative and quantitative determination of a compound, automated fraction re-analysis

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Specification

Model No	HPLC-676
Detector	UV / RI
Fraction collector valve	6 channel or 12 channel
Online filter	48 mm or 100 mm filter
Mixing	Preparative mixing chamber
Frame and tube	System frame , converter and tube
Dimension	500 x 320 x 700 mm
Wetted material	316 L and PTFE
Power	< 1500 W

Pump Specification

Model No	PHP-A1
Pump head capacity with max pressure	100 ml ; 30 MPa
	250 ml ; 50 MPa
	500 ml ; 10 MPa
	1000 ml ; 10 MPa
Pressure pulsation	1 % at 10 MPa
Flow rate accuracy	± 1 %
Flow rate reproducibility	≤ 0.5
Gradient accuracy	± 2 %
Pump inlet tube	⦰4 (100 ml , 250 ml , 500 ml)
	⦰6 (1000 ml)
Pump outlet tube	1/8 th (100 ml , 250 ml , 500 ml)
	DN4 (1000 ml)

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Detector Specification

Model No	PHP-B1
Wavelength range	190 ~ 400 nm / 400 ~ 800 nm
Wavelength accuracy	± 2 nm
Wavelength reproducibility	0.4 nm
Bandwidth	8 nm
Baseline noise (Au)	3 x 10 -5
Baseline draft (Au / h)	1 x 10 -4
Optical path	10 mm
Flow cell	PEEK

Fraction valve Specification

Model No	PHP-C1
Valve type	Multi-position (6 to 12 port)
Valve head material	Stainless steel / PEEK
Capillary connection	1" / 8"
Maximum pressure stability	150 bar / 300 bar