

Dual Pump
KP-22-13 SUSDual Pump
KP-22-13 PEEK

Product name	Dual Pump		
Part number	KP-22-01	KP-22-13	KP-22-33
Max pressure* ¹	25MPa/20MPa	25MPa/20MPa	5MPa
Flow rate range* ²	0.001~1.0mL/min	0.01~10.0mL/min	0.1~50.0mL/min
Flow per stroke	4ul	32ul	154ul
Flow accuracy	±0.3%		
Features	Pulse control, ³ Flow volume calibration, Upper pressure limiter, Constant pressure flow, ⁴ Set volume dispensing		
Pressure accuracy	±5%		
Wetted materials	SS type: SS, Sapphire, Rubby, PTFE, PCTFE PEEK type: PEEK, Sapphire, Rubby, PTFE, PCTFE		
Remote control	Input: Pump on/off, Output: Error signal		
Communication	RS232C		
Dimensions (mm)	144(H) x 79(W) x 285(D)		
Weight	3.8~4.3kg		
Order code (PEEK)	SDP-P1080	SDP-P1076	SDP-P1078
Order code (SS)	SDP-P1081	SDP-P1077	SDP-P1079

* The specifications and product design may change without prior notice.

* For custom specifications, contact FLOM.

¹ The maximum pressure is 25MPa for SS types and 20MPa for PEEK type.

² The unit cannot run continuously at maximum flowrate.

³ Pulse control is activated below the flow pressure of 5MPa.

⁴ Constant pressure flow mode adjusts the flow rate in realtime to stabilize the pressure at the set range.

Medium to High Pressure Pumps (with pressure sensor) Dual Pump KP-22 Series

A general-use pump for a wide variety of liquid chromatography applications.

Features

- high precision and stable flow volumes
- equipped with pulse control for reduced fluctuations in pressure
- easy to read backlit LCD display
- real-time display of pressure
- column integrity protected by convenient upper-limit pressure switch
- metered flow mode allows setting to desired flow volumes
- RS-232C interface for computer control
- variety of seals to choose from depending on solvent
- can choose from 3 different models to match desired flow ranges
- optional inert (PEEK) pump
- space-saving compact design

Medium to High Pressure Pumps Dual Pump KP-21 Series

A low-cost general-use pump providing steady flows for simple applications.

Features

- high precision and stable flow volumes
- easy to read backlit LCD display
- RS-232C interface for computer control
- can choose from 3 different models to match desired flow ranges
- optional inert (PEEK) pump
- space-saving compact design

Dual Pump
KP-21-13 SUSDual Pump
KP-21-13 PEEK

Product name	Dual Pump		
Part number	KP-21-01	KP-21-13	KP-21-33
Max pressure* ¹	25MPa/20MPa	25MPa/20MPa	5MPa
Flow rate range* ²	0.001~1.0mL/min	0.01~10.0mL/min	0.1~50.0mL/min
Flow per stroke	4ul	32ul	154ul
Flow accuracy	±0.3%		
Features	Flow volume calibration Set volume dispensing		
Pressure accuracy	-		
Wetted materials	SS type: SS, Sapphire, Rubby, PTFE, PCTFE PEEK type: PEEK, Sapphire, Rubby, PTFE, PCTFE		
Remote control	Input: Pump on/off, Output: Error signal		
Communication	RS232C		
Dimensions (mm)	144(H) x 79(W) x 285(D) (excluding protuberances)		
Weight	approx. 3.4kg		
Order code (PEEK)	SDP-P1086	SDP-P1082	SDP-P1084
Order code (PEEK)	SDP-P1087	SDP-P1083	SDP-P1085

¹ The maximum pressure is 25MPa for SS types and 20MPa for PEEK type. Maximum pressure is only sustained intermittently.

Continuous pump operation at maximum pressure cannot be guaranteed.

² The unit cannot run continuously at maximum flowrate.

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