

Medium to High Pressure Pumps (with pressure sensor) PCS Pump SP-22 Series

Low-cost, simple to operate single pumps equipped with pressure sensor.



PCS Pump
SP-22-13 SUS

PCS Pump
SP-22-13 PEEK

Features

- equipped with pulse reduction mechanism (quick return mode)
- easy to read backlit LCD display
- real-time pressure display
- column integrity protected by convenient upper-limit pressure switch
- convenient precision metered solvent volume dispensing
- RS-232C interface for computer control
- can choose from 5 different models to match desired flow ranges
- optional inert (PEEK) pump
- space-saving compact design

Product name	PCS Pump				
Part number	SP-22-02	SP-22-12	SP-22-13	SP-22-32	SP-22-33
Max pressure*1	20MPa	20MPa	10MPa	5MPa	2MPa
Flow rate range*2	0.01~1.0ml/min	0.01~2.0ml/min	0.1~5.0ml/min	0.1~10.0ml/min	0.1~20.0ml/min
Flow per stroke	8ul	16ul	32ul	77ul	154ul
Stroke length	2mm	2mm	4mm	2mm	4mm
Flow accuracy	±0.5%				
Features	Pulse reduction*3, Flow volume calibration, Pressure loss compensation Upper pressure limiter, Set volume dispensing*4				
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	3.0kg				
Order code (PEEK)	SSP-P3061	SSP-P3063	SSP-P3065	SSP-P3067	SSP-P3069
Order code (SUS)	SSP-P3062	SSP-P3064	SSP-P3066	SSP-P3068	SSP-P3070

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

* For custom specifications, contact FLOM.

*1 Maximum pressure is only sustained intermittently. Continuous pump operation at maximum pressure cannot be guaranteed.

*2 The unit cannot run continuously at maximum flowrate.

*3 Pulse reduction does not imply that pulses will be eliminated completely.

*4 The range of settable volume is 0.01-1000mL or 0.1-1000mL, depending on the model.

Medium to High Pressure Pumps PCS Pump SP-21 Series

Low-cost version of SP-22 type which enables pulsed flow control.



PCS Pump
SP-21-13 SUS

PCS Pump
SP-21-13 PEEK

Features

- equipped with pulse control mechanism (quick return mode)
- easy to read backlit LCD display
- convenient precision metered solvent volume dispensing
- RS-232C interface for computer control
- variety of seals to choose from depending on solvent
- can choose from 5 different models to match desired flow ranges
- optional inert (PEEK) pump
- space-saving compact design

Product name	PCS Pump				
Part number	SP-21-02	SP-21-12	SP-21-13	SP-21-32	SP-21-33
Max pressure*1	20MPa	20MPa	10MPa	5MPa	2MPa
Flow rate range*2	0.01~1.0ml/min	0.01~2.0ml/min	0.1~5.0ml/min	0.1~10.0ml/min	0.1~20.0ml/min
Flow per stroke	8ul	16ul	32ul	77ul	154ul
Stroke length	2mm	2mm	4mm	2mm	4mm
Flow accuracy	±0.5%				
Features	Pulse reduction*3, Set volume calibration*4				
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	3.0kg				
Order code (PEEK)	SSP-P3051	SSP-P3053	SSP-P3055	SSP-P3057	SSP-P3059
Order code (SUS)	SSP-P3052	SSP-P3054	SSP-P3056	SSP-P3058	SSP-P3060

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*1 Maximum pressure is only sustained intermittently. Continuous pump operation at maximum pressure cannot be guaranteed.

*2 The unit cannot run continuously at maximum flowrate.

*3 Pulse reduction does not imply that pulses will be eliminated completely.

*4 The range of settable volume is 0.01-1000mL or 0.1-1000mL, depending on the model.