



Cascade Pump CP-14

Product name	<b>Cascade Pump</b>
Part number	<b>CP-14-13</b>
Max pressure *1	25MPa / 20MPa
Flow rate range*2	0.001 ~ 10.00mL/min
Flow per stroke	69μl
Flow accuracy	±0.3%
Features	Active pulse reduction*3, Flow volume compensation, Pressure loss compensation*4, Set volume dispensing
Pressure accuracy	±5%
Wetted materials	Inert: PEEK, Sapphire, Ruby, PTFE, PCTFE
Remote control	Input: Pump on/off, Output: Error signal
Communication	RS232C
Dimensions	115(H) x 140(W) x 190(D) (excluding protuberances)
Weight (mm)	PEEK: approx. 3.8kg
Order code	<b>SCP-P4001</b>

\* 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 control is activated below the flow pressure of 10MPa.

\*4 Constant pressure flow mode adjusts the flow rate in real time to stabilize the average pressure to the value set. It is not a pulse control function.

## Cascade Pump (with pressure sensor)

### Cascade Pump CP-14

In-line cascade configuration drastically reduces air bubble problems.

#### 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
- in-line cascade configuration drastically reduces problems with air bubbles
- self-cleaning function
- space-saving compact design reduces height and depth