

## Peristaltic pump Model SMP-23-1, 23-3, 23-1S, 23-3S

- Casset tubing case makes change of tubings easy.
- Normal / Reverse flow can be done by turning the switch which is suitable for sampling.
- There are 3 heads for tubing head of SMP-23 and 23S. Different material and size of tubings can be attached on each tubing case.
- Tubings are selectable from Silicone tubing, PhaMed® tubing, and Fluran® tubing. They are sterilizable by autoclave.
- Fluid contact parts are only tubing and no metallic parts so there is no worry of contamination of fluid.
- Because SMP-21S and 23S are equipped with external signal terminal, discharge volume can be controlled by receiving electrical signal (0~10V DC) from a computer or other process controller. You can make the automation of a reagent injection system.
- SMP-21, 23S are equipped with the Rapid switch which enables to flow at maximum discharge volume by keeping the flow control dial fixed. So it can discharge the fluid into the tubings just before the flowing point in a short time.

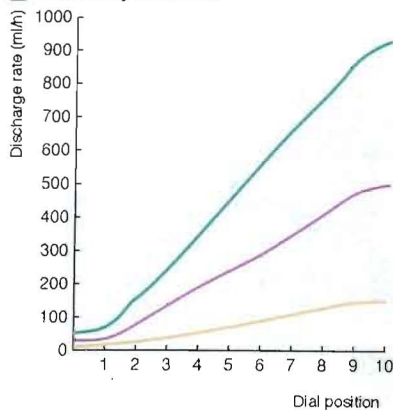


### Operation panel

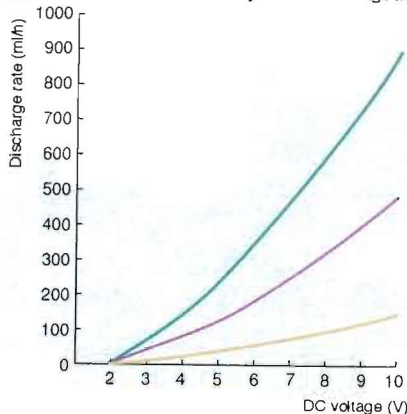


### Data

■ Flow rate by control dial



■ Characteristic of flow rate by standard voltage input (Model SMP-23-1S, 23-3S)



Tubing: Silicone tubing  
 Fluid: Deionized water  
 Fluid temp.: 21°C  
 Room temp.: 25°C  
 Back pressure: 0  
 Model: SMP-23-1S

— ID3.15xOD5.2mm  
 — ID2.15xOD4.2mm  
 — ID1.15xOD3.2mm