

PEN-TYPE SYRINGE PUMP

SBP Series

Extremely Compact and High Resolution

Features

- High resolution provides smooth flow (theoretical resolution: 0.105 nl at 1/100 micro-step).
- Remarkably small outer dimensions of Dia. 12 x L 170 mm (threads model), now with a built-in 2-phase stepper motor with a reduction gear. Suitable for portable devices.
- An ultra-small type with an outer diameter of 8.8 mm is also available by custom order. (Please contact us for details of the micro-stepper drive mode.)
- Various syringe terminations: needle, Luer Lock, M6 or 1/4-28UNF threads, disposable tip adaptor, attachment for our ultra-small 3-way valve, etc. See reverse page.
- Has a built-in sensor to prevent overrun.
- An easy-to-use controller is available upon request.

Use the QR code on the right or the link below to see a video.

<http://www.takasago-elec.co.jp/movie/SBP-e.wmv>



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Specifications

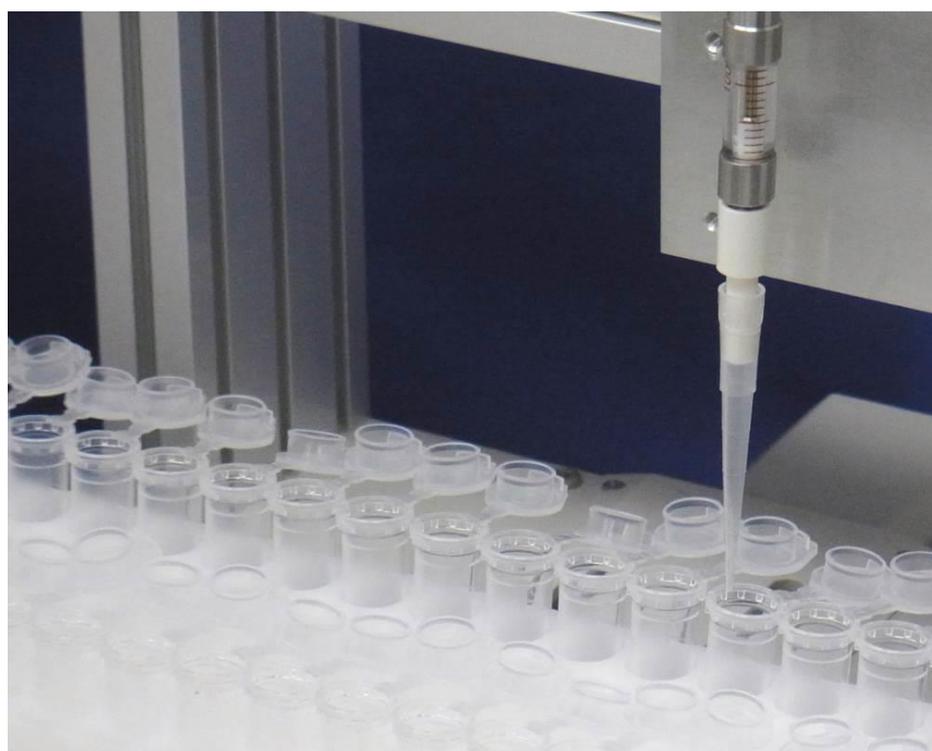
Model Number	SBP-100G-N	SBP-100G-LL	SBP-100G-M6(1/4U)F	SBP-100G-DT
Outer Dimensions (excluding sensor case)	Dia. 12 x L165 mm (excluding needle)		Dia. 12 x L170 mm	Dia. 12 x L183 mm
Syringe Capacity	100 μ l			
Theoretical Resolution	At 1/100 micro-step: 0.105 nl At full step: 10.5 nl			
Wetted Materials	Glass (barrel) PTFE (tip, seal) Stainless steel (needle)	Glass (barrel) PTFE (tip, seal) PVDF, Stainless steel (attached needle)	Glass (barrel) PTFE (tip, seal) PEEK (port)	Glass (barrel) PTFE (tip, seal) *Samples only contact with a disposable tip (material: PP).
Syringe Termination	Needle 22G (I.D. 0.40 x O.D. 0.72 x L51 mm)	Luer Lock (with needle)	M6 or 1/4-28UNF female threads *1	Adapter for disposable tip (Eppendorf®, epT.I.P.S., 2-200 μ l) *2
				

*1 Male threads also available.

*2 Disposable tip not included with this product.

Image of SBP-100G-DT with a Disposable Tip

The Pen-type Syringe Pump can be directly installed onto a moving arm. Therefore, a tip is attached just below the pump, reducing the air gap between the syringe and the sample to a minimum and resulting in higher accuracy.



Note: Details including specifications may change without notification.