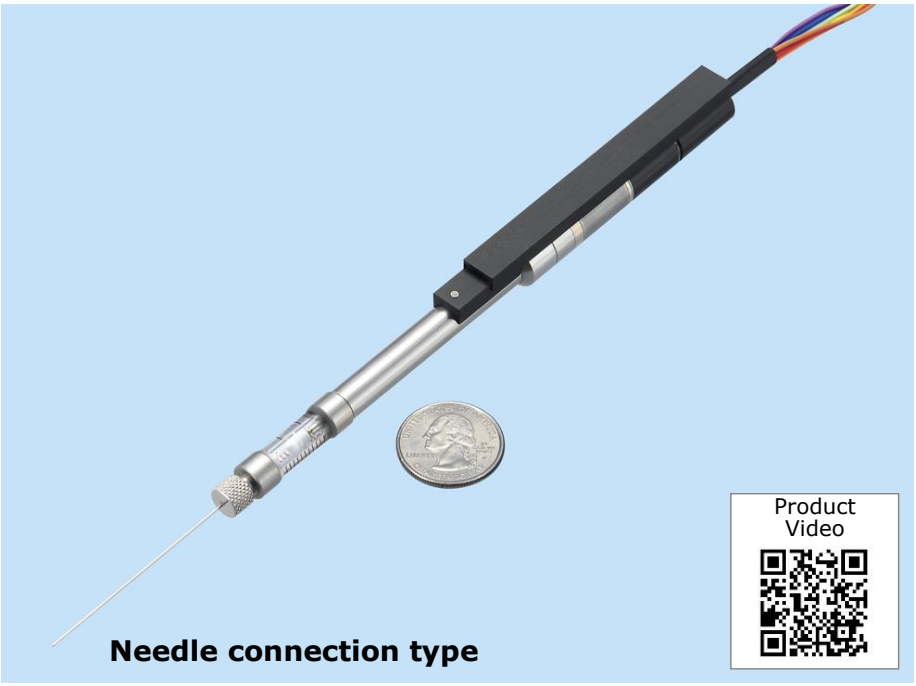
TAKASAGO FLUIDIC SYSTEMS

PEN-TYPE SYRINGE PUMP

SBP Series



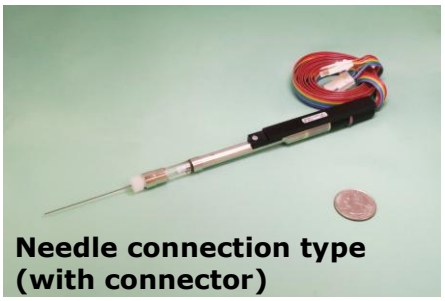
Needle connection type

Product Video

Extremely Compact and High Resolution

Features

- High resolution provides smooth flow (theoretical resolution: 10.5 nL at full step).
- Threads model is remarkably small outer dimensions of Dia. 12 × L 163 mm (except needle, cover), now with a built-in 2-phase stepper motor with a reduction gear. Suitable for portable devices.
- The lightweight design enables for applications such as installation on a microscope stage, use in a thermostatic chamber, and mounting on the moving parts of equipment.
- A continuous ultra-low flow rate pumping system can be configured by alternating operation of two pumps. Please contact us for details.
- 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.
- SXPC series controller is also available, which allows for easy operation. Please contact us for details.
- When using the SXPC controller, a connector is required.



Needle connection type (with connector)

TFS (Takasago Fluidic Systems)

URL: https://www.takasago-fluidics.com/

For inquiries, please use this QR code.

2025.12

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

Model Number	SBP-100G -N	SBP-100G -NC	SBP-100G -LL	SBP-100G -LLC	SBP-100G -M6(1/4U)F	SBP-100G -M6(1/4U)FC	SBP-100G -DT	SBP-100G -DTC
Syringe Termination	 Needle 22G (I.D. 0.40 × O.D. 0.72 × 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 µL) *2	
Outer Dimensions	12×14.5×215 mm		12×14.5×222 mm		12×14.5×163 mm		12×14.5×183 mm	
Syringe Capacity	100 µL							
Theoretical Resolution	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)		PP(pipette tip) *3 (Glass (barrel) PTFE (tip, seal))	
Connector	Without connector	With connector	Without connector	With connector	Without connector	With connector	Without connector	With connector

*1 Male threads also available.
*2 Disposable tip not included with this product.
*3 Please use the fluid in such a way that, it comes in contact only with the pipette tip.

Dimensions

SBP-100G-N

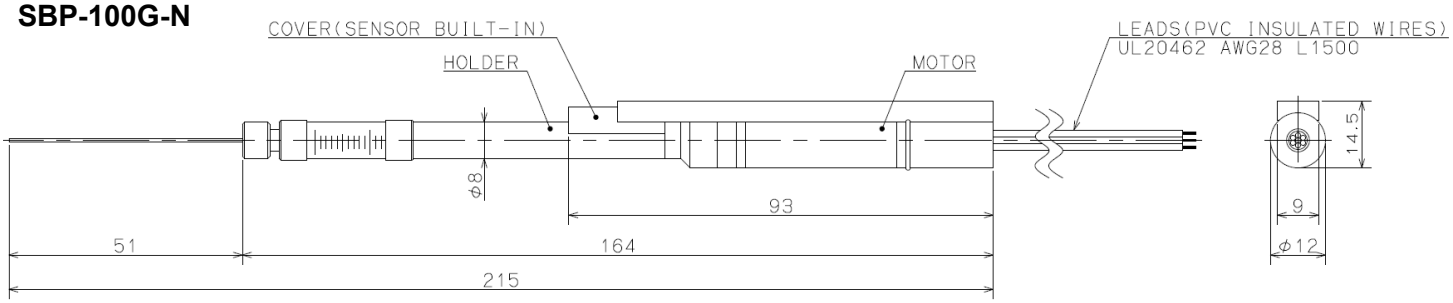
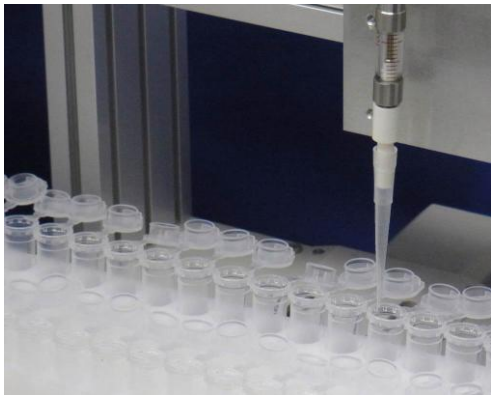


Image of SBP-100G-DT with a Disposable Tip

The pen-type syringe pump is compact and lightweight, making it ideal for downsizing of dispensing unit.
The wetted parts can be replaced by the use of pipette tips.



Note: Details including specifications may change at any time without notification.