## MINIATURE SYRINGE PUMPS

Highly accurate dosing of nl & μl

## **SBP Series**

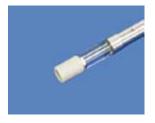


This miniature syringe pump has dimensions of only  $\emptyset12 \times L170$  mm with an integrated 2-phase stepper motor and reduction gear. A large number of available connections enable a wide range of options for the varied applications of our customers.

On request, we also offer a miniature 3/2-way valve, which can be attached to the pump head of this miniature syringe pump.

All these features make this pump well suitable for microfluidic applications and mobile devices.

The miniature syringe pumps can be mounted directly on a movable arm. A needle can be attached directly below the pump, reducing the air gap between the syringe and the sample to a minimum. This leads to higher accuracy.









## **SPECIFICATIONS**

	SBP Series
Syringe capacity	100 μl
Theoretical resolution	0.105 nl (with 1/100 micro-step) 10.5 nl (with fullstep)
Wetted materials	Glass, PTFE, PVDF, Stainless steel (Needle)
Port connection	Needle   Luer   M6 (male   female)   1/4-28UNF (male   female) Adapter for disposable tip (Eppendorf® epT.I.P.S., 2-200 μl)
Fluid temperature range	15 - 40°C
Ambient temperature range	15 - 40°C
Outer dimensions	Ø12 × L170 mm (excluding needle and sensor)

