



Precision Fluid Control Series



Analytical Syringe Sampler

K30

Product Technical Specification | July 2026

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Product Overview

The K30 analytical syringe sampler is a high-precision gas-tight sampler for use with the SY-01B syringe pump. It uses a standard 1/4-28UNF thread and is available in 25 µL~5 mL volumes. The borosilicate glass barrel, PTFE plunger, and 304 stainless steel push rod withstand up to 0.68 MPa. Easy to clean and reusable, it is ideal for chromatography, IVD, water-quality analysis, and laboratory sampling.

- 1/4-28UNF
- 25 µL~5 mL
- Borosilicate Glass
- 0.68 MPa
- SY-01B Compatible

Key Features



Standard Thread
1/4-28UNF for secure, gas-tight connection.



Multiple Volumes
25 µL / 50 µL / 125 µL / 250 µL / 500 µL / 1.25 mL / 2.5 mL / 5 mL.



Corrosion-Resistant
Borosilicate glass barrel, PTFE plunger, 304 SS push rod.



Gas-Tight & Pressurized
Max pressure 0.68 MPa.



Reusable
Easy cleaning and disinfection reduce consumable cost.



SY-01B Matched
Designed for SY-01B syringe pumps.

Technical Specifications

Parameter	Specification
Model	K30
Principle	Gas-tight glass syringe positive-displacement sampling
Port Thread	1/4-28UNF
Syringe Volumes	25 µL / 50 µL / 125 µL / 250 µL / 500 µL / 1.25 mL / 2.5 mL / 5 mL
Barrel Material	Borosilicate glass
Plunger Material	PTFE
Push Rod Material	304 stainless steel
Max Pressure	0.68 MPa
Compatible Pump	SY-01B etc.
Sealing	Gas-tight design
Reusability	Cleanable and reusable
Operating Temp.	5~55 °C (refer to paired pump)
Maintenance	Periodic barrel and plunger cleaning; replace worn seals
Application	Chromatography autosampling, IVD, online water-quality analysis, lab sampling

Typical Applications

- ▶ LC/GC autosampler injection
- ▶ IVD instrument sampling
- ▶ Online water-quality monitor sampling
- ▶ Laboratory standard solution preparation
- ▶ Environmental testing auto-sampling

Ordering Guide

Product Code	Description
K30	Sampler + 25 µL~5 mL glass barrel (volume-dependent)

Accessories/Consumables

Accessory	Specification	Note
Glass Barrel	25 µL~5 mL	Volume-dependent
PTFE Seal	K30 matched	Periodic replacement
Push Rod	304 SS	Standard

Why Choose Jiuyuhub

 Application-First Matching K30/K60 recommended by paired pump and volume.	 Southeast Asia Adapted Corrosion-resistant materials for hot/humid labs.
 One-Stop Supply Samplers, pumps, valves and seals together.	 24-Hour Response Fast selection and spare-part support.

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