

Syringes

Precision Sampling Gas Tight Syringes



Series A-2 Gas Syringe

- Push button valve – allows instantaneous injection
- Smaller volumes – great for small volatile samples

The A-2 features a push-button valve which allows sample storage to 250 psi in syringes as small as 25µL. This is useful with small liquid samples containing low boiling components which would be lost through evaporation using ordinary syringes.

The positive rear stop (in 250µL and larger sizes) prevents plunger blowout at elevated pressures protecting against sample loss or operator injury. Has all the standard Pressure-Lok features such as PTFE Plunger tip, PTFE-sealed needle, and ultrasmooth bore. Replacement components are available for easy repair.

Cat. No.	Description
050023	25µL Standard syringe, bevel needle
050024	50µL Standard syringe, bevel needle
050025	100µL Standard syringe, bevel needle
050031	250µL Standard syringe, bevel needle
050032	500µL Standard syringe, bevel needle
050033	1mL Standard syringe, bevel needle
050034	2mL Standard syringe, bevel needle
050035	5mL Standard syringe, bevel needle
050036	10mL Standard syringe, bevel needle

Replacement Needles .028" x .005" x 2"

943050 Bevel, open end, 3/pk

Replacement Needles .029" x .012" x 2"

943051 Bevel, open end, 3/pk

943052 Side port, taper, 3/pk

Also available in luer-style connectors. Call for pricing.



Series C Gas Syringe

- Perfect syringe for everyday use – all standard features but without a valve for pressurized sample storage

Cat. No.	Description
030025C	100µL Standard syringe
030031	250µL Standard syringe
030032	500µL Standard syringe
030033	1mL Standard syringe
030034	2mL Standard syringe
030035	5mL Standard syringe
030036	10mL Standard syringe

Replacement Needles .029" x .005" x 2"

943050 Bevel, open end, 3/pk

Replacement Needles .029" x .012" x 2"

943051 Bevel, open end, 3/pk

Also available in luer-style connectors and optional Chaney adapter on standard syringe. Call for pricing.



Lapped Barrel Syringes



Our 10µL manual syringe's unique internal white background makes it much easier to do a visual check of syringe contents.

The precision-fitted stainless steel plunger and overall superior-quality workmanship yield an accuracy of better than ± 1%. The needle is a standard 26 gauge by 2", bevel tip, open end.

The 10µL version for the Agilent 7673 and 7683 autosamplers features a 1.71" dual gauge tapered needle. The unique needle combines a 26 gauge needle's capacity for split/splitless or on-column injections with the durability of a 23 gauge needle. Our controlled manufacturing process yields enhanced accuracy and precision for superior results every time.

Cat. No.	Description
GC-010N	10µL manual lapped barrel syringe
GC-010AS	10µL lapped barrel syringe for Agilent 7673/7683

Syringes

Precision Sampling Mininert™ Valves



Mininert Accessories



These silicone septa fit all Mininert valves. The installation tool is a handy device for quickly removing and replacing needle seal septa.

Mininert™ Valves for Glassware

- Leak-tight closure with syringe access – take a sample with no exposure of vial contents to atmosphere
- Economical
- Replaceable septum
- Simple installation – no tools

Operation is extremely simple – push the green button to open the valve, insert the needle through the septum and take a sample, withdraw the needle, and push the red button to close the valve.

Mininert push-button valves are highly dependable, leak-tight closures for screw cap vials and other laboratory containers. When used with a glass vial, only PTFE and glass are in contact with the contents. Their unique features make Mininert valves the ideal closure for calibration standards, air or moisture sensitive fluids, derivatizing reagents, volatile chemicals, etc.

Models are available for screw-cap and crimp-top vials. The screw-cap Mininert is available in 13, 15, 18, 20, 24mm, and crimp top. The crimp-top valve for 20mm ID glassware slides into the neck of the vial and features a threaded flange which is turned to secure a tight fit.

Mininert Syringe Valve

- Sample storage capability
- Push button operation – green top open, red to close
- Fits any luer style connector



This valve is designed to fit luer-tip syringes from any manufacturer and accept traditional luer needles. This convenient add-on valve allows any luer-tip syringe to store samples at up to 250 psi. The valve body is all PTFE with a stainless steel stem.

Mininert General Description

- Leak-tight closure with syringe access – take a sample with no exposure of vial contents to atmosphere
- Replaceable septum – easily replaced with no exposure of contents to atmosphere
- Simple installation – no tools required

Temperature Specifications:

Mininert valves can be used at temperature up to 105° F. However, after use at high temperatures, the valve may leak slightly when cooled to room temperature.

Pressure Specifications:

The sealing ability of Mininert valves is more than adequate to contain most volatile liquids and gases at low pressures. Mininert valves have been used as high as 120 psi without leakage but this is **NOT** a recommendation for pressurizing glass containers to these levels. Such pressurization of glass containers can be extremely dangerous.

Chemical Resistance Specifications:

PTFE is highly inert and may be used with most common materials. It is particularly useful for working with most acids and organic solvents.

Mininert™ Ordering Information

Cat. No.	Description	Qty.
654051	Syringe valve for luer-tip syringes	1
614158	Vial valve for 13mm-425 thread	12
614160	Vial valve for 15mm-425 thread	12
614161	Vial valve for 18mm-400 thread	12
614170	Vial valve for 20mm-400 thread	12
614163	Vial valve for 24mm-400 thread	12
614250	Crimp-top valve for 20mm ID glassware	12
644350	Replacement septa	50
644850	Installation tool	1