

Hamilton Gastight® High-Performance Micro and Macro Syringes

Gas- and liquid-tight up to 200 psi!

Syringes handle corrosive gases and liquids, radioactive materials, and sterile solutions—ideal for gas and liquid chromatography. Sample loss is negligible at pressures up to 200 psi, depending on bore diameter.

These chemically inert syringes have PTFE-coated plungers (50- and 100- μ L models have stainless steel plunger with removable PTFE tip). Barrels and plungers are interchangeable within each syringe size, allowing field repair.

Cemented Needle Syringes include an epoxy-cemented, 304 stainless steel needle with noncoring tip. Not for use at temperatures above 122°F (50°C).

Removable Needle Syringes use a threaded hub and PTFE sealing ferrule that can be tightened to compensate for wear. Syringes include a 304 stainless steel needle with noncoring tip. Do not heat above 239°F (115°C); autoclavable when disassembled.



Micro syringe 07939-02
with cemented needle

Macro syringe
07939-63 with
removable needle

Syringes with Luer Tip and PTFE Luer-Lok™ Connections feature a ground glass, luer taper. Autoclavable if plunger is removed. Needles are not included; order separately on page 785.

Micro Syringes

Syringes		Needles		Catalog number	Price/ea
Capacity	Type	Gauge†	Tip type		
10 μ L	Cemented needle	26s	Noncoring beveled	GH-07939-00	
	Removable needle			GH-07939-10	
	Luer tip†			GH-07939-20	
25 μ L	Cemented needle	22s	Noncoring beveled	GH-07939-01	
	Removable needle			GH-07939-11	
	Luer tip†			GH-07939-21	
50 μ L	Cemented needle	22s	Noncoring beveled	GH-07939-02	
	Removable needle			GH-07939-12	
	Luer tip†			GH-07939-22	
	PTFE luer-lock†			GH-07939-32	
100 μ L	Cemented needle	22s	Noncoring beveled	GH-07939-03	
	Removable needle			GH-07939-13	
	Luer tip†			GH-07939-23	
	PTFE luer-lock†			GH-07939-33	
250 μ L	Cemented needle	22s	Noncoring beveled	GH-07939-04	
	Removable needle			GH-07939-14	
	Luer tip†			GH-07939-24	
	PTFE luer-lock†			GH-07939-34	
500 μ L	Cemented needle	22	Noncoring beveled	GH-07939-05	
	Removable needle			GH-07939-15	
	Luer tip†			GH-07939-25	
	PTFE luer-lock†			GH-07939-35	

†Luer tip and luer-lock syringes do not include a needle; order separately on page 785.

‡An "s" denotes "small bore"—reduces dead volume and improves transfer accuracy.

Macro Syringes

Syringes		Needles		Catalog number	Price/ea
Capacity	Type	Gauge	Tip type		
1.0 mL	Cemented needle	22	Noncoring beveled	GH-07939-50	
	Removable needle			GH-07939-60	
	Luer tip††			GH-07939-70	
1.25 mL	PTFE luer-lock††	22	Noncoring beveled	GH-07939-80	
	Cemented needle			GH-07939-51	
2.5 mL	Luer tip††	22	Noncoring beveled	GH-07939-71	
	Cemented needle			GH-07939-52	
	Removable needle			GH-07939-62	
	Luer tip††			GH-07939-72	
5 mL	PTFE luer-lock††	22	Noncoring beveled	GH-07939-82	
	Cemented needle			GH-07939-53	
	Removable needle			GH-07939-63	
	Luer tip††			GH-07939-73	
	PTFE luer-lock††			GH-07939-83	
10 mL	Cemented needle	22	Noncoring beveled	GH-07939-54	
	Removable needle			GH-07939-64	
	Luer tip††			GH-07939-74	
	PTFE luer-lock††			GH-07939-84	
25 mL	PTFE luer-lock††	—	—	GH-07939-85	
50 mL	PTFE luer-lock††	—	—	GH-07939-86	

††Luer tip and luer-lock syringes do not include a needle; order separately on page 785.

Hamilton Microliter® Low-Volume Syringes with Needle

Minute, accurate transfers—even for volatile liquids!

These positive displacement syringes enable accurate aspiration and dispensing of problematic liquids—down to 0.5 μ L. The plunger couples to a tungsten wire inside the needle, eliminating dead volume. The entire aliquot is drawn into the needle. Stainless steel needles have a 90° blunt end tip for HPLC injections and pipetting.



Syringes		Needles		Catalog number	Price/ea	Replacement kits	
Capacity	Type	Gauge	Tip type			Catalog number	Price
0.5 μ L	Removable needle	25	90° blunt end	GH-07938-60		GH-07938-65	
1.0 μ L		25		GH-07938-61		GH-07938-66	
2.0 μ L		25		GH-07938-62		GH-07938-67	
5.0 μ L		24		GH-07938-63		GH-07938-68	

Warning—The products on this page are not approved or intended for, and should not be used for, medical, clinical, surgical or other patient oriented applications.