

VIALS &

# SYRINGES

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Top: Marcia Fulton, Assembly Technician  
 Bottom: Stephanie Sunner, International Customer Service





Hamilton 10µL,  
Autosampler  
Cemented Needle for  
Agilent 7673, 7683,  
6850 Autosamplers  
20167

SGE Removable  
Needle for Agilent  
7673, 7683, 6850  
Autosamplers  
24793

**Guide to Needle Termination Codes**

**Hamilton:**

- (N) Cemented Needle
- (RN) Removable Needle
- (ASN) Autosampler Cemented Needle
- (ASRN) Autosampler Removable Needle
- (TLL) Teflon® Luer Lock
- (KH) Knurled Hub
- (LT) Luer Tip
- (LTN) Luer Tip Cemented Needle

**SGE:**

- (F) Fixed Needle
- (R) Removable Needle
- (LL) Luer Lock
- (LT) Luer Tip

**Standard Microliter Syringes for Agilent 7673, 7683, and 6850 Autosamplers**

- Hamilton and SGE syringes are designed and tested to meet critical autosampler performance needs.
- Needle point styles are designed to withstand multiple, rapid injections through a septum.

**Hamilton Syringes**

Volume	Needle Term.	Needle Gauge	Needle Length	Point Style	Hamilton		Restek cat.#	price
					Model	cat.#		
0.5µL	ASRN	23s	1.71"	Agilent	7000.5	86276	ea.	24895
0.5µL	ASRN	26s	1.71"	Agilent	7000.5	86274	ea.	21221
5µL	ASRN	23s	1.71"	Agilent	75	87957	ea.	20172
5µL	ASN	23s	1.71"	Agilent	75	87987	ea.	20168
5µL	ASN	23s	1.71"	Agilent	75	87990	6-pk.	20170
5µL	ASN	26s	1.71"	Agilent	75	87988	ea.	24592
5µL	ASN	26s	1.71"	Agilent	75	87989	6-pk.	21230
5µL	ASRN	23s-26s	1.71"	Agilent	75	87959	ea.	21223
5µL	ASN	23s-26s	1.71"	Agilent	75	87993	ea.	24593
5µL	ASN	23s-26s	1.71"	Agilent	75	87994	6-pk.	24594
10µL	ASRN	23s	1.71"	Agilent	701	80357	ea.	20171
10µL	ASN	23s	1.71"	Agilent	701	80387	ea.	20167
10µL	ASN	23s	1.71"	Agilent	701	80390	6-pk.	20169
10µL	ASRN	26s	1.71"	Agilent	701	80358	ea.	24597
10µL	ASN	26s	1.71"	Agilent	701	80388	ea.	24595
10µL	ASN	26s	1.71"	Agilent	701	80389	6-pk.	24599
10µL	ASRN	23s-26s	1.71"	Agilent	701	80359	ea.	24598
10µL	ASN	23s-26s	1.71"	Agilent	701	80393	ea.	24596
10µL	ASN	23s-26s	1.71"	Agilent	701	80391	6-pk.	24600

**SGE Syringes**

Volume	Needle Term.	Needle Gauge	Needle Length	Point Style	SGE		Restek cat.#	price
					Model	cat.#		
0.5µL	R	23	42mm	Cone	0.5BR-HP-0.63	000410	ea.	24791
0.5µL	R	26	42mm	Cone	0.5BR-HP-0.47	000400	ea.	24790
5µL	R	23	42mm	Cone	5R-HP-0.63	001815	ea.	24793
5µL	F	23	42mm	Cone	5F-HP-0.63	001810	ea.	24781
5µL	F	23	42mm	Cone	SK-5F-HP-0.63	001814	6-pk.	24783
5µL	F	26	42mm	Cone	5F-HP-0.47	001800	ea.	24780
5µL	F	26	42mm	Cone	SK-5F-HP-0.47	001804	6-pk.	24782
5µL	R	23-26s	42mm	Cone	5R-HP-0.63/0.47	001825	ea.	21211
5µL	F	23-26s	42mm	Cone	5F-HP-0.63/0.47	001821	ea.	21210
5µL	F	23-26s	42mm	Cone	SK-5F-HP-0.63/0.47	001822	6-pk.	21214
10µL	R	23	42mm	Cone	10R-HP-0.63	002815	ea.	24795
10µL	F	23	42mm	Cone	10F-HP-0.63	002810	ea.	24785
10µL	F	23	42mm	Cone	SK-10F-HP-0.63	002814	6-pk.	24787
10µL	R	26	42mm	Cone	10R-HP-0.47	002805	ea.	24794
10µL	F	26	42mm	Cone	10F-HP-0.47	002800	ea.	24784
10µL	F	26	42mm	Cone	SK-10F-HP-0.47	002804	6-pk.	24786
10µL	R	23-26s	42mm	Cone	10R-HP-0.63/0.47	002825	ea.	21213
10µL	F	23-26s	42mm	Cone	10F-HP-0.63/0.47	002821	ea.	21212
10µL	F	23-26s	42mm	Cone	SK-10F-HP-0.63/0.47	002822	6-pk.	21215



also available

Looking for Restek Genuine Replacement Parts for Agilent Instruments?  
See pages 146-172.

**Gas-Tight Teflon®-Tipped Syringes for Agilent 7673, 7683, and 6850 Autosamplers**

**Hamilton Syringes**

Volume	Needle Term.	Needle Gauge	Needle Length	Point Style	Hamilton Model	Hamilton cat.#	qty.	Restek cat.#	price
5µL	ASN	23s	1.71"	Agilent	175	80074	ea.	24893	
10µL	ASN	23s	1.71"	Agilent	1701	80080	ea.	24894	
10µL	ASRN	23s	1.71"	Agilent	1701	80087	ea.	21224	
10µL	ASRN	26s	1.71"	Agilent	1701	80088	ea.	21228	
10µL	ASRN	23s-26s	1.71"	Agilent	1701	80089	ea.	21229	

**SGE Syringes**

Volume	Needle Term.	Needle Gauge	Needle Length	Point Style	SGE Model	SGE cat.#	qty.	Restek cat.#	price
10µL	F	23	42mm	Cone	10F-HP-GT-0.63	002812	ea.	24789	
10µL	R	23	42mm	Cone	10R-HP-GT-0.63	002818	ea.	24797	
10µL	R	23-26	42mm	Cone	10R-HP-GT-0.63/0.47	002829	ea.	21220	

**Large Volume Syringes for Agilent 7673, 7683, and 6850 Autosamplers**

**SGE Syringes**

Volume	Needle Term.	Needle Gauge	Needle Length	Point Style	SGE Model	SGE cat.#	qty.	Restek cat.#	price
25µL	R	23	42mm	Cone	25R-HP-0.63	003665	ea.	24798	
50µL	R	23	42mm	Cone	50R-HP-0.63	004665	ea.	24799	
100µL	R	23	42mm	Cone	100R-HP-0.63	005665	ea.	24800	
250µL	R	23	42mm	Cone	250R-HP-0.63	006665	ea.	24801	

**Replacement Needles for Agilent 7673, 7683, and 6850 Autosampler Syringes**

**Needles for Hamilton Syringes**

Syringe Volume	Needle Gauge	Needle Length	Point Style	Hamilton cat.#	qty.	Restek cat.#	price
5-10µL	23s	1.71"	Agilent	7786-01	6-pk.	20164	
5-10µL	26s	1.71"	Agilent	7786-02	6-pk.	20165	
5-10µL	23s-26s	1.71"	Agilent	7785-01	6-pk.	20166	

**Needles for SGE Syringes**

Syringe Volume	Needle Gauge	Needle Length	Point Style	SGE cat.#	qty.	Restek cat.#	price
0.5µL	23	42mm	Cone	033715	ea.	24821	
0.5µL	26	42mm	Cone	033708	ea.	24820	
5µL	23	42mm	Cone	036720	2-pk.	24823	
10µL	23	42mm	Cone	037717	2-pk.	24825	
10µL	26	42mm	Cone	037715	2-pk.	24824	
25-250µL	23	42mm	Cone	038717	2-pk.	24826	



Hamilton 10µL Gas-Tight Syringe  
24894

also **available**

Looking for an Agilent Syringe Cross-Reference?  
See page 272.





21218

**Replacement Teflon®-Tipped Plunger Assembly for Agilent 7673, 7683, and 6850 Autosampler Syringes**

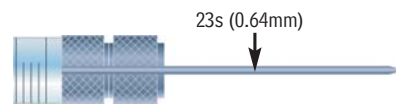
**SGE**

Syringe Volume	Needle Term.	SGE cat.#	qty.	Restek cat.#	price
10µL	F	031808	2-pk.	21218	
10µL	R	031809	2-pk.	21284	

**Needle Gauge for Agilent 7673, 7683, 6850 Syringes**

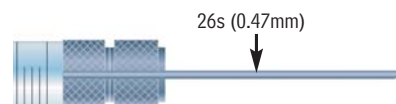
**Single Gauge Needle (23s)**

- The most popular gauge for Agilent 7673.
- Best for Merlin Microseal septum and standard septum-equipped GCs.
- Packed column injection ports.
- Split/splitless injection ports.



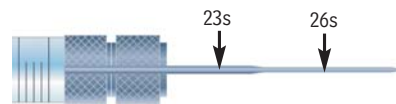
**Single Gauge Needle (26s)**

- On-column injection ports.
- Split/splitless injection ports.



**23s-26s—Dual Gauge (tapered)**

- Durability of a 23s gauge needle.
- Ability of a 26s gauge needle to perform split/splitless and on-column injections.



**Cross-reference**

**For Agilent Syringes**

Listed below are some Hamilton and SGE syringes, cross-referenced to Agilent part numbers for your convenience. For further information or questions, contact your Restek sales representative or technical service.

Similar to Agilent Part #	Restek Part #	Description	Page
5181-1267	21212, 24596	10µL Standard Syringe, Fixed Needle, 23-26 Gauge	270
5181-1273	21210, 24593	5µL Standard Syringe, Fixed Needle, 23-26 Gauge	270
5181-3319	20166	Needle for 10µL Standard Syringe, 23-26 Gauge	271
5181-3321	21213, 24598	10µL Standard Syringe, Removable Needle, 23-26 Gauge	270
5181-3356	21218	Replacement Teflon-Tipped Plunger for 10µL Fixed Needle Syringe	272
5181-3358	24919	Teflon-Tipped Plunger for 10µL Standard Syringe, Removable Needle	282
5181-3360	21215, 24600	10µL Standard Syringe, Fixed Needle, 23-26 Gauge (6-pk.)	270
5181-3365	21218	Teflon-Tipped Plunger for 10µL Standard Syringe, Fixed Needle	272
5181-8809	24894, 24789	10µL Gas-tight Syringe, Fixed Needle, 23 Gauge	271
5181-8811	20164, 24825	Needle for 10µL Gas-tight Syringe, 23 Gauge	271
5181-8813	21224, 24797	10µL Gas-tight Syringe, Removable Needle, 23 Gauge	271
5182-0830	24821	Needle for 0.5µL Standard Syringe, 23 Gauge	271
5182-0832	20166	Needle for 5-10µL Autosampler Syringe, 23-26 Gauge	271
5182-0834	20172, 24793	5µL Standard Syringe, Removable Needle, 23 Gauge	270
5182-0835	21223, 21211	5µL Standard Syringe, Removable Needle, 23-26 Gauge	270
5182-0875	20170, 24783	5µL Standard Syringe, Fixed Needle, 23 Gauge (6-pk.)	270
9301-0713	20167, 24785	10µL Standard Syringe, Fixed Needle, 23 Gauge	270
9301-0714	24595, 24784	10µL Standard Syringe, Fixed Needle, 26 Gauge	270
9301-0725	20169, 24787	10µL Standard Syringe, Fixed Needle, 23 Gauge (6-pk.)	270
9301-0891	24592, 24780	5µL Standard Syringe, Fixed Needle, 26 Gauge	270
9301-0892	20168, 24781	5µL Standard Syringe, Fixed Needle, 23 Gauge	270

**Autosampler Syringes for PerkinElmer Autosystem and Clarus 500 GCs**

- Hamilton and SGE syringes are designed and tested to meet critical autosampler performance needs.
- Needle point styles are developed to withstand multiple and rapid injections through a septum.

**Hamilton Syringes**

Volume	Needle Term.	Needle Gauge	Needle Length	Point Style	Hamilton Model	Hamilton cat.#	qty.	Restek cat.#	price
5µL	ASN	23	2.756"	3	75ASN/PE	88035	ea.	24953	
5µL	ASN	26	2.756"	3	75ASN/PE	88040	ea.	24952	

**SGE Syringes**

Volume	Needle Term.	Needle Gauge	Needle Length	Point Style	SGE Model	SGE cat.#	qty.	Restek cat.#	price
0.5µL	R	23	70mm	Cone	0.5BR-PE-0.63	000478	ea.	24811	
0.5µL	R	26	70mm	Cone	0.5BR-PE-0.47	000475	ea.	24810	
5µL	F	23	70mm	Cone	5F-PE-0.63	001954	ea.	24813	
5µL*	F	23	70mm	Cone	5F-PE-GT-0.63	001957	ea.	24815	
5µL	F	26	70mm	Cone	5F-PE-0.47	001953	ea.	24812	
5µL*	F	26	70mm	Cone	5F-PE-GT-0.47	001955	ea.	24814	
50µL	F	23	70mm	Cone	50F-PE-0.63	004670	ea.	24816	

\*Gas-tight.

**Replacement Needle and Plunger Kit for PerkinElmer Autosampler Syringes**

**SGE Needle and Plunger Kit**

Syringe Volume	Needle Gauge	Needle Length	Point Style	SGE cat.#	qty.	Restek cat.#	price
0.5µL	23	70mm	Cone	033765	kit	24818	

Hamilton 5µL Autosampler Syringe

SGE 5µL Autosampler Syringe 24812

24818

**Guide to Needle Termination Codes**

**Hamilton:**

- (N) Cemented Needle
- (RN) Removable Needle
- (ASN) Autosampler Cemented Needle
- (ASRN) Autosampler Removable Needle
- (TLL) Teflon® Luer Lock
- (KH) Knurled Hub
- (LT) Luer Tip
- (LTN) Luer Tip Cemented Needle

**SGE:**

- (F) Fixed Needle
- (R) Removable Needle
- (LL) Luer Lock
- (LT) Luer Tip



also **available**

Looking for Restek Genuine Replacement Parts for PerkinElmer Instruments? See pages 182-185.

# Autosampler Syringes for Varian GCs



Hamilton 10µL  
Autosampler Syringe  
24956

SGE 10µL  
Autosampler Syringe  
24851

## Autosampler Syringes for Varian 8000 Series GCs

- Hamilton and SGE syringes are designed and tested to meet critical autosampler performance needs.
- Needle point styles are developed to withstand multiple and rapid injections through a septum.

### Hamilton Syringes

Volume	Needle Term.	Needle Gauge	Needle Length	Point Style	Hamilton Model	Hamilton cat.#	Restek cat.#	price
<b>Varian 8100/8200 Syringes</b>								
10µL	RN	26s	1.99"	5	701 Varian	202880	ea.	24956

### SGE Syringes

Volume	Needle Term.	Needle Gauge	Needle Length	Point Style	SGE Model	SGE cat.#	Restek cat.#	price
<b>Varian 8000 Syringes</b>								
10µL	R	25	50mm	Dome	10R-VA80-II	002926	ea.	24850

### Varian 8035, 8100, & 8200 Syringes

10µL*	F	25	53mm	S/Hole	10F-VA8X-11	002923	ea.	24851
10µL*	R	25	53mm	S/Hole	10R-VA8X-II	002924	ea.	24852
100µL	R	25	53mm	S/Hole	100R-VA8X	005921	ea.	24853

### Varian CP 8400, CP8410 Syringes

10µL	F	26	50mm	Cone	10F-C/F-5/0.47C	002980	ea.	24922
10µL	F	26	50mm	Bevel	10F-VA8400-5/0.47	002950	ea.	21202

\*Gas-tight syringe.



also available

Looking for Restek Genuine Replacement Parts for Varian Instruments?  
See pages 173-177.

### Guide to Needle Termination Codes

#### Hamilton:

- (N) Cemented Needle
- (RN) Removable Needle
- (ASN) Autosampler Cemented Needle
- (ASRN) Autosampler Removable Needle
- (TLL) Teflon® Luer Lock
- (KH) Knurled Hub
- (LT) Luer Tip
- (LTN) Luer Tip Cemented Needle

#### SGE:

- (F) Fixed Needle
- (R) Removable Needle
- (LL) Luer Lock
- (LT) Luer Tip



## Replacement Needles for Varian 8000 Series Autosampler Syringes

### Needles for SGE Syringes

Syringe Volume	Needle Gauge	Needle Length	Point Style	SGE cat.#	Restek cat.#	price
10µL	23	53mm	S/Hole	037779	2-pk.	24857
10µL*	25	53mm	S/Hole	037780	ea.	24858
10µL**	25	53mm	S/Hole	037777	ea.	24854
10µL	25	53mm	2	037776	2-pk.	24855

\*straight needle shaft, 0.20mm ID needle, for use with viscous samples

\*\*tapered needle shaft, 0.12mm ID needle

**Autosampler Syringes for Shimadzu GCs**

- Hamilton and SGE syringes are designed and tested to meet critical autosampler performance needs.
- Needle point styles are developed to withstand multiple and rapid injections through a septum.

**Hamilton Syringes for Shimadzu AOC 9 GCs**

Volume	Needle Term.	Needle Gauge	Needle Length	Point Style	Hamilton		qty.	Restek cat.#	price
					Model	cat.#			
5µL	RN	26s	2"/51mm	2	75RN	87930	ea.	24617	
5µL	N	26s	2"/51mm	2	75N	87900	ea.	24938	
10µL	RN	26s	2"/51mm	2	701RN	80330	ea.	24530	

**SGE Syringes for Shimadzu AOC 14, 17, 20, and 20i GCs**

Volume	Needle Term.	Needle Gauge	Needle Length	Point Style	SGE		qty.	Restek cat.#	price
					Model	cat.#			
0.5µL	R	23	42mm	Cone	0.5BR-S-0.63	000445	ea.	24841	
0.5µL	R	26	42mm	Cone	0.5BR-S-0.47	000440	ea.	24840	
5µL	F	23	42mm	Cone	5F-S-0.63	001988	ea.	24843	
5µL	F	26	42mm	Cone	5F-S-0.47	001987	ea.	24842	
10µL	R	23	42mm	Cone	10R-S-0.63	002898	ea.	24845	
10µL*	R	23	42mm	Cone	10R-S-GT-0.63	002902	ea.	24846	
10µL	R	26	42mm	Cone	10R-S-0.47	002897	ea.	24844	
250µL*	F	23	42mm	Cone	250F-S-GT-0.63	006682	ea.	24847	

\*Gas-tight syringe.



Hamilton 10µL Autosampler Syringe

SGE 5µL Autosampler Syringe 24843

**Replacement Needles for Shimadzu Autosampler Syringes**

**Needles for SGE Syringes**

Syringe Volume	Needle Gauge	Needle Length	Point Style	SGE cat.#	qty.	Restek cat.#	price
0.5µL	23	42mm	Cone	033745	ea.	24747	
0.5µL	26	42mm	Cone	033738	ea.	24746	
10µL	23	42mm	Cone	037747	2-pk.	24749	
10µL	26	42mm	Cone	037745	2-pk.	24748	



**Syringe Termination Types**

From cemented to removable needles and from Teflon® luer-lock to special syringe fittings, syringe barrel terminations create the interface between a syringe and its mating connection. For your reference, we describe the most common Hamilton/SGE terminations below.



**N, Cemented Needle / F, Fixed:**

Needle cemented into the glass syringe barrel at a point corresponding to the zero graduation mark. Not autoclavable.



**KH, Knurled Hub / R, Removable:**

Used on 7000 Series Hamilton syringes, exclusively. Knurled hub enables 6,000 psig maximum injection pressures and the attachment of a spacer for repeatable-depth injections. Autoclavable when disassembled.



**RN, Removable Needle / R, Removable:**

Needle seats precisely to the zero graduation mark of the syringe. Allows the use of different specification needles on the same syringe barrel. Autoclavable when disassembled.



**TLL, Teflon® Luer-Lock / LL, Luer Lock / LT, Luer Tip:**

Male luer taper with nickel-plated brass hub accepts and locks into place luer hub needles and connectors. Autoclavable when disassembled.



also available

Looking for Restek Genuine Replacement Parts for Shimadzu Instruments? See pages 178-181.





Hamilton 10µL Autosampler Syringe  
24962

SGE 10µL Autosampler Syringe

**Autosampler Syringes for Thermo Scientific GCs**

- Hamilton and SGE syringes are designed and tested to meet critical autosampler performance needs.
- Needle point styles are developed to withstand multiple and rapid injections through a septum.

**Hamilton Syringes**

Volume	Needle Term.	Needle Gauge	Needle Length	Point Style	Hamilton Model	Hamilton cat.#	Restek cat.#	price
10µL	N	26s	3.15"	AS	701SN	80318	24962	ea.

**SGE Syringes**

Volume	Needle Term.	Needle Gauge	Needle Length	Point Style	SGE Model	SGE cat.#	Restek cat.#	price
10µL	F	26	80mm	Cone	10F-C/F-8/0.47C	002992	24924	ea.
10µL	R	26	80mm	Cone	10R-C/F-8/0-0.47C	002993	24934	ea.

**Replacement Needles for Thermo Scientific Autosampler Syringes**



**Needles for SGE Syringes**

Syringe Volume	Needle Gauge	Needle Length	Point Style	SGE cat.#	Restek cat.#	price
10µL	26	80mm	Cone	033770	24927	ea.
10µL	26	80mm	Cone	031535	24935	3-pk.

perfluoro acids



**also available**

Looking for Restek Genuine Replacement Parts for Thermo Scientific Instruments? See pages 186-191.

**Autosampler Syringes for Thermo Scientific GCs**

Autosampler syringes for TriPlus, AS3000, AS2000, AS200/800 GCs. The following autosamplers are compatible with the respective SGE and Hamilton syringes. For further information or questions, contact your Restek sales representative or technical service.

**SGE Syringes**

TriPlus	AS3000	AS2000	AS200/800	Restek cat.#	Page
•	•			24928	277
•	•			24926	277
•	•	•	•	24923	277
•	•	•	•	24932	277
•	•	•		24924	276
•	•	•	•	24934	276
•	•	•	•	24922	277
•	•	•		24930	277

**Replacement Needles for SGE Syringes for Thermo Scientific GCs**

TriPlus	AS3000	AS2000	AS200/800	Restek cat.#	Page
•	•			24929	277
•	•			24927	276
•	•	•	•	24933	277
•	•	•		24931	277
•	•	•	•	24935	276

**Hamilton Syringes**

TriPlus	AS3000	AS2000	AS200/800	Restek cat.#	Page
			•	24962	276

**Guide to Needle Termination Codes**

**Hamilton:**

- (N) Cemented Needle
- (RN) Removable Needle
- (ASN) Autosampler Cemented Needle
- (ASRN) Autosampler Removable Needle
- (TLL) Teflon® Luer Lock
- (KH) Knurled Hub
- (LT) Luer Tip
- (LTN) Luer Tip Cemented Needle

**SGE:**

- (F) Fixed Needle
- (R) Removable Needle
- (LL) Luer Lock
- (LT) Luer Tip

**Autosampler Syringes for CTC/LEAP GCs**

- Hamilton and SGE syringes are designed and tested to meet critical autosampler performance needs.
- Needle point styles are developed to withstand multiple and rapid injections through a septum.

**Hamilton Syringes**

Volume	Needle Term.	Needle Gauge	Needle Length	Point Style	Hamilton		Restek	price
					Model	cat.#		
1.2µL	N	26	2"/51mm	AS	7701.2N	203185	ea.	22755
5µL	N	26s	2"/51mm	AS	75N	203189	ea.	22756
10µL	N	23s	2"/51mm	AS	701N	203361	ea.	22757
10µL	N	23s-26s	2"/51mm	AS	701N	203362	ea.	22758
10µL	N	23s	2"/51mm	2	701N	203363	ea.	22759
10µL	N	26s	2"/51mm	2	701N Slim Line	203072	ea.	22760
10µL	N	26s	2"/51mm	AS	701N	203205	ea.	22761
10µL	N	26s	2"/51mm	2	701N	203269	6-pk.	22762
25µL*	N	26s	2"/51mm	AS	1702N	203043	ea.	22763
25µL*	N	26s	2"/51mm	AS	1702N Slim Line**	203074	ea.	22764
100µL*	N	26s	2"/51mm	AS	1710N Slim Line**	203076	ea.	22765

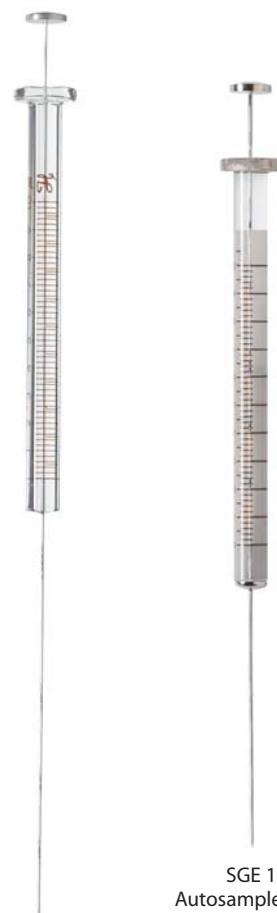
\*Gas-tight syringe.

\*\*Barrel OD = 6.7mm; all other 25µL and 100µL syringes have a 7.9mm barrel OD.

**SGE Syringes**

Volume	Needle Term.	Needle Gauge	Needle Length	Point Style	SGE		Restek	price
					Model	cat.#		
0.5µL	R	23	50mm	Cone	0.5BNR-C/F-0.63	000492	ea.	24928
0.5µL	R	26	50mm	Cone	0.5BNR-C/F-0.47	000490	ea.	24926
5µL	F	23	50mm	Cone	5F-C/F-5/0.63	001981	ea.	24921
5µL	F	26	50mm	Cone	5F-C/F-5/0.47	001982	ea.	24920
10µL	F	23	50mm	Cone	10F-C/F-0.63	002981	ea.	24923
10µL	R	23	50mm	Cone	10R-C/F-0.63	002984	ea.	24932
10µL	F	26	50mm	Cone	10F-C/F-5/0.47C	002980	ea.	24922
10µL	F	26	50mm	Cone	SK10F-C/F-5/0.47C	002986	6-pk.	24925
10µL	R	26	50mm	Cone	10R-C/F-5/0-0.47C	002982	ea.	24930
10µL*	F	23	50mm	Cone	10F-C/T-GT5/0.63C	002987	ea.	22749
25µL	F	26	50mm	Cone	25F-C/F-5/0.47C	003980	ea.	22750
25µL*	F	23	50mm	Cone	25F-C/T-GT5/0.63C	003987	ea.	22751
100µL*	F	23	50mm	Cone	100F-C/T-GT5/0.63C	005335	ea.	22753
100µL*	R	26	50mm	Cone	100R-C/T-GT5/0.47C	005333	ea.	22754

\*Gas-tight syringe.



Hamilton 10µL Autosampler Syringe

SGE 10µL Autosampler Syringe

also **available**

Replacement plunger assemblies for these syringes are available on request.

**Replacement Needles for CTC/LEAP Autosampler Syringes**



**Needles for SGE Syringes**

Syringe Volume	Needle Gauge	Needle Length	Point Style	SGE cat.#	Restek cat.#	price
0.5µL	23	50mm	Cone	033772	ea.	24929
10µL	23	50mm	Cone	037787	2-pk.	24933
10µL	26	50mm	Cone	037785	2-pk.	24931



Hamilton 700 Series Manual  
 Microliter Syringes

### Manual Microliter Syringes

- Economical.
- Available with cemented needles (N/F) or removable needles (RN/R).
- Each syringe plunger and barrel assembly is manufactured as one working unit; components are not interchangeable or individually replaceable.

### Hamilton 700 Series Syringes

Volume	Needle Term.	Needle Gauge	Needle Length	Point Style	Hamilton Model	Hamilton cat.#	Restek qty.	Restek cat.#	price
5µL	N	26s	2"/51mm	2	75N	87900	ea.	24938	
5µL	RN	26s	2"/51mm	2	75RN	87930	ea.	24617	
10µL	N	26s	2"/51mm	2	701N	80300	ea.	20174	
10µL	N	26s	2"/51mm	2	701N	80366	6-pk.	20175	
10µL	RN	26s	2"/51mm	2	701RN	80330	ea.	24530	
25µL	N	22s	2"/51mm	2	702N	80400	ea.	24531	
10µL	N	26s	2"/51mm	5	701NPT5	80339	ea.	24967	
25µL*	RN	22s	2"/51mm	2	702RN	80430	ea.	24532	
50µL	N	22s	2"/51mm	2	705N	80500	ea.	24533	
50µL*	RN	22s	2"/51mm	2	705RN	80530	ea.	24534	
100µL	N	22s	2"/51mm	2	710N	80600	ea.	24535	
100µL*	RN	22s	2"/51mm	2	710RN	80630	ea.	24536	
250µL	N	22s	2"/51mm	2	725N	80700	ea.	24537	
250µL*	RN	22s	2"/51mm	2	725RN	80730	ea.	24538	
500µL	N	22	2"/51mm	2	750N	80800	ea.	24539	
500µL*	RN	22	2"/51mm	2	750RN	80830	ea.	24540	

### SGE Syringes

Volume	Needle Term.	Needle Gauge	Needle Length	Point Style	SGE Model	SGE cat.#	Restek qty.	Restek cat.#	price
5µL	F	26	50mm	2	5F**	001000	ea.	24700	
5µL*	R	26	50mm	2	5R**	001050	ea.	24701	
10µL	F	26	50mm	2	10F**	002000	ea.	24702	
10µL	F	26	50mm	2	SK-10F**	002030	6-pk.	24715	
10µL*	R	26	50mm	2	10R**	002050	ea.	24703	
10µL*	R	26	50mm	2	SK-10R**	002080	6-pk.	24716	
25µL	F	25	50mm	2	25F	003000	ea.	24704	
25µL*	R	25	50mm	2	25R	003050	ea.	24705	
50µL	F	25	50mm	2	50F	004000	ea.	24706	
50µL*	R	25	50mm	2	50R	004050	ea.	24707	
100µL	F	25	50mm	2	100F	005000	ea.	24708	
100µL*	R	25	50mm	2	100R	005050	ea.	24709	
250µL	F	25	50mm	2	250F	006000	ea.	24710	
250µL*	R	25	50mm	2	250R	006050	ea.	24711	
500µL	F	25	50mm	2	500F	007000	ea.	24712	
500µL*	R	25	50mm	2	500R	007050	ea.	24713	

\*For replacement RN/R needles, see page 282.

\*\*With plunger protection.



SGE Standard Manual  
 Microliter Syringes



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### SuperfleX Flexible Plunger Microliter Syringes

- The SuperfleX syringe features a super-elastic plunger that returns to its original shape if twisted or bent.

#### SGE Syringes

Volume	Needle Term.	Needle Gauge	Needle Length	Point Style	SGE			Restek		price
					Model	cat.#	qty.	cat.#		
5µL	F	26	50mm	2	5FX	001100	ea.	24720		
5µL	R	26	50mm	2	5RX	001150	ea.	24721		
10µL	F	26	50mm	2	10FX	002100	ea.	24722		
10µL	F	26	50mm	2	SK-10FX	002130	6-pk.	24718		
10µL	R	26	50mm	2	10RX	002150	ea.	24723		
10µL*	R	26	50mm	2	SK-10RX	002180	6-pk.	24719		

### Reinforced Plunger Microliter Syringes

- Reinforcing extends the life of fragile, small diameter plungers.
- Economical because of longer life—even in rugged applications.
- Hand-lapped plunger ensures a perfect seal with the barrel.

#### Hamilton Syringes

Volume	Needle Term.	Needle Gauge	Needle Length	Point Style	Hamilton			Restek		price
					Model	cat.#	qty.	cat.#		
5µL	N	26s	2"/51mm	2	95	87920	ea.	24541		
5µL*	RN	26s	2"/51mm	2	95	87925	ea.	24542		
10µL	N	26s	2"/51mm	2	901	80360	ea.	24543		
10µL*	RN	26s	2"/51mm	2	901	80370	ea.	24544		

#### SGE Syringes

Volume	Needle Term.	Needle Gauge	Needle Length	Point Style	SGE			Restek		price
					Model	cat.#	qty.	cat.#		
5µL	F	26	50mm	2	5F-GP	001400	ea.	24769		
5µL*	R	26	50mm	2	5R-GP	001450	ea.	24766		
10µL	F	26	50mm	2	10F-GP	002400	ea.	24767		
10µL*	R	26	50mm	2	10R-GP	002450	ea.	24768		

\*For replacement RN/R needles, see page 282.



SGE SuperfleX Syringe

Hamilton 900 Series Microliter Syringe

SGE Guided Plunger Syringe

#### Guide to Needle Termination Codes

##### Hamilton:

- (N) Cemented Needle
- (RN) Removable Needle
- (ASN) Autosampler Cemented Needle
- (ASRN) Autosampler Removable Needle
- (TLL) Teflon® Luer Lock
- (KH) Knurled Hub
- (LT) Luer Tip
- (LTN) Luer Tip Cemented Needle

##### SGE:

- (F) Fixed Needle
- (R) Removable Needle
- (LL) Luer Lock
- (LT) Luer Tip



Hamilton 7001 Series  
Micro-Volume  
Syringe

SGE Micro-Volume  
Plunger-in-Needle  
Syringe

### Micro-Volume, Positive Displacement Syringes

- Sample is contained in the needle with full plunger displacement, ensuring no dead volume.
- High precision and accuracy down to 0.1µL.
- Seal between the plunger and the needle can be tightened for high-pressure injection.
- Replaceable needle/plunger kits and barrels (available on request).

### Hamilton Syringes

Volume	Needle Term.	Needle Gauge	Needle Length	Point Style	Hamilton Model	Hamilton cat.#	qty.	Restek cat.#	price
0.5µL	KH	25	2.75"/70mm	2	7000.5	86259	ea.	24545	
0.5µL	KH	25	2.75"/70mm	3	7000.5	86250	ea.	24546	
1.0µL	KH	22s	2.75"/70mm	2	7101	86211	ea.	24549	
1.0µL	KH	25s	2.75"/70mm	2	7001	80135	ea.	24547	
1.0µL	KH	25s	2.75"/70mm	3	7001	80100	ea.	24548	
2.0µL	KH	25	2.75"/70mm	2	7002	88411	ea.	24551	
5.0µL	KH	24	2.75"/70mm	2	7105	88011	ea.	24555	
5.0µL	KH	24	2.75"/70mm	3	7105	88000	ea.	24556	

### SGE Syringes

Volume	Needle Term.	Needle Gauge	Needle Length	Point Style	SGE Model	SGE cat.#	qty.	Restek cat.#	price
0.5µL	R	23	70mm	2	0.5BR-7BV	000311	ea.	24771	
0.5µL	R	23	70mm	Cone	0.5BR-7	000310	ea.	24772	
0.5µL	R	26	70mm	Cone	0.5BR-OC-7/0.47*	000376	ea.	24770	
1.0µL	R	23	70mm	2	1BR-7BV	000506	ea.	24775	
1.0µL	R	23	70mm	Cone	1BR-7	000505	ea.	24774	
1.0µL	R	23	50mm	Cone	1BR-5	000500	ea.	24773	
1.0µL	R	26	70mm	Cone	1BR-7/0.47*	000570	ea.	24776	
5.0µL	R	23	70mm	2	5BR-7BV	000803	ea.	24779	
5.0µL	R	23	70mm	Cone	5BR-7	000802	ea.	24778	
5.0µL	R	23	50mm	Cone	5BR-5	000800	ea.	24777	

\*70mm needle length, 0.47mm OD, on-column syringe.

### SGE Replacement Plunger-in-Needle Kits

- Kits are supplied with both a plunger and a needle.
- Plunger and needle must be replaced together.

Volume	Needle Gauge	Needle Length	Point Style	SGE Model	SGE cat.#	For Syringe cat.#	qty.	Restek cat.#	price
0.5µL	23	70mm	2	NP0.5B-7BV	033060	24771	kit	24831	
0.5µL	23	70mm	Cone	NP0.5B-7C	033057	24772	kit	24830	
0.5µL	26	70mm	Cone	NP0.5B-OC-7	033630	24770	kit	24832	
1.0µL	23	70mm	2	NP1B-7BV	034060	24775	kit	24835	
1.0µL	23	70mm	Cone	NP1B-7C	034057	24774	kit	24834	
1.0µL	23	50mm	Cone	NP1B-5C	034055	24773	kit	24833	
1.0µL	26	70mm	Cone	NP1B-OC-7/0.47	034610	24776	kit	24836	
5.0µL	23	70mm	2	NP5B-7BV	035058	24779	kit	24839	
5.0µL	23	70mm	Cone	NP5B-7C	035057	24778	kit	24838	
5.0µL	23	50mm	Cone	NP5B-5C	035055	24777	kit	24837	

### tech tip

#### Reinserting Teflon®-tipped Plungers

After disassembling and cleaning a syringe with a Teflon®-tipped plunger, wet the Teflon® plunger tip prior to reinserting it into the barrel. Always avoid touching the plunger—any abrasions, scratches or oil from fingers could interfere with proper plunger operation.

**Teflon® Tip, Gas-Tight Syringes**

- Suitable for gases or liquids, for maximum inertness.
- High accuracy of dispensed volumes.
- Interchangeable barrels, plungers, and tips extend performance and increase cost-effectiveness.

**Hamilton Syringes**

Volume	Needle Term.	Needle Gauge	Needle Length	Point Style	Hamilton		Restek	price
					Model	cat.#		
10µL	N	26s	2"/51mm	2	1701	80000	ea.	24557
10µL	RN	26s	2"/51mm	2	1701	80030	ea.	24558
25µL	N	22s	2"/51mm	2	1702	80200	ea.	24559
25µL	RN	22s	2"/51mm	2	1702	80230	ea.	24560
50µL	N	22s	2"/51mm	2	1705	80900	ea.	24561
50µL	RN	22s	2"/51mm	2	1705	80930	ea.	24562
100µL	N	22s	2"/51mm	2	1710	81000	ea.	24563
100µL	RN	22s	2"/51mm	2	1710	81030	ea.	24564
250µL	N	22s	2"/51mm	2	1725	81100	ea.	24567
250µL	RN	22s	2"/51mm	2	1725	81130	ea.	24568
500µL	LTN	22	2"/51mm	2	1750	81217	ea.	24571
500µL	RN	22	2"/51mm	2	1750	81230	ea.	24572
1mL	LTN	22	2"/51mm	2	1001	81317	ea.	24575
1mL	RN	22	2"/51mm	2	1001	81330	ea.	24576
1mL	TLL	*	—	w/out slots	1001	81320	ea.	24578
2.5mL	TLL	*	—	w/out slots	1002	81420	ea.	24584
2.5mL	RN	22	2"/51mm	2	1002	81430	ea.	24582
2.5mL	N	22	2"/51mm	2	1002	81417	ea.	24581
5mL	TLL	*	—	w/out slots	1005	81520	ea.	20178
10mL	TLL	*	—	w/out slots	1010	81620	ea.	20179
25mL	TLL	*	—	w/out slots	1025	82520	ea.	24591
50mL	TLL	*	—	w/out slots	1050	85020	ea.	24717

**SGE Syringes**

Volume	Needle Term.	Needle Gauge	Needle Length	Point Style	SGE		Restek	price
					Model	cat.#		
10µL	F	26	50mm	2	10F-GT	002200	ea.	24725
10µL	R	26	50mm	2	10R-GT	002250	ea.	24726
25µL	F	25	50mm	2	25F-GT	003200	ea.	24727
25µL	R	25	50mm	2	25R-GT	003250	ea.	24728
50µL	F	25	50mm	2	50F-GT	004200	ea.	24729
50µL	R	25	50mm	2	50R-GT	004250	ea.	24730
100µL	F	25	50mm	2	100F-GT	005200	ea.	24734
100µL	R	25	50mm	2	100R-GT	005250	ea.	24735
100µL	LL	*	—	—	100F-LL-GT	005230	ea.	24737
250µL	F	25	50mm	2	250F-GT	006200	ea.	24738
250µL	R	25	50mm	2	250R-GT	006250	ea.	24739
250µL	LL	*	—	—	250F-LL-GT	006230	ea.	24741
500µL	F	25	50mm	2	500F-GT	007200	ea.	24742
500µL	R	25	50mm	2	500R-GT	007250	ea.	24743
1mL	R	23	50mm	2	1MR-GT	008100	ea.	24750
1mL	LL	*	—	—	1MDF-LL-GT	008025	ea.	24752
2.5mL	LL	*	—	—	2.5MDF-LL-GT	008425	ea.	24755
5mL	LL	*	—	—	5MDR-LL-GT	008760	ea.	24757
10mL	LL	*	—	—	10MDR-LL-GT	008960	ea.	24759
25mL	LL	*	—	—	25MDR-LL-GT	009462	ea.	24760
50mL	LL	*	—	—	50MR-LL-GT	009660	ea.	24761
100mL	LL	*	—	—	100MR-LL-GT	009760	ea.	24762

\*Needles sold separately. See page 282.



Hamilton 1700/1000 Series Gas-Tight Syringe

SGE Gas-Tight Syringe

**Guide to Needle Termination Codes**

**Hamilton:**

- (N) Cemented Needle
- (RN) Removable Needle
- (ASN) Autosampler Cemented Needle
- (ASRN) Autosampler Removable Needle
- (TLL) Teflon® Luer Lock
- (KH) Knurled Hub
- (LT) Luer Tip
- (LTN) Luer Tip Cemented Needle

**SGE:**

- (F) Fixed Needle
- (R) Removable Needle
- (LL) Luer Lock
- (LT) Luer Tip



### Teflon® Tip, Gas-Tight Syringe Replacement Needles for Removable Needle Syringes

Materials: stainless steel needle, nickel-plated brass hub



#### Needles for Hamilton Syringes

Syringe Volume	Needle Gauge	Needle Length	Point Style	Hamilton cat.#	Restek cat.#	price
5-100µL	26s	2"	2	7758-02	6-pk. 24939	
5-100µL	22s	2"	2	7758-03	6-pk. 24940	
250µL-10mL	22	2"	2	7779-01	6-pk. 24942	
250µL-10mL	26s	2"	2	7779-02	6-pk. 24943	
250µL-10mL	22s	2"	2	7779-03	6-pk. 24944	

#### Needles for SGE Syringes

Syringe Volume	Needle Gauge	Needle Length	Point Style	SGE cat.#	Restek cat.#	price
5µL	26	50mm	2	036110	5-pk. 24802	
10µL	23	50mm	2	037111	5-pk. 24804	
10µL	26	50mm	2	037110	5-pk. 24803	
25-500µL	23	50mm	2	038111	5-pk. 24806	
25-500µL	25	50mm	2	038110	5-pk. 24805	
1-2.5mL	23	50mm	2	039110	5-pk. 24807	

### Replacement Teflon®-Tipped Plunger Assembly

#### Hamilton

Syringe Volume	Needle Term.	Hamilton cat.#	Restek cat.#	price
10µL	N, RN, LT/LTN	13205	24919	ea.

### Gas-Tight Syringe Replacement Needles for Luer-Lock Syringes

#### Needles for Hamilton Syringes

Hub Material	Needle Gauge	Needle Length	Point Style	Hamilton cat.#	Restek cat.#	price
metal	26s	2"/51mm	2	90053	6-pk. 20133	
metal	25s	1.97"	3	90049*	6-pk. 24605	
metal	22s	2"/51mm	2	90051	6-pk. 24606	
Kel-F (Teflon tip)	26s	2"/51mm	2	90153	6-pk. 24607	
Kel-F (Teflon tip)	25s	1.97"	3	90149*	6-pk. 24608	
Kel-F (Teflon tip)	22s	2"/51mm	2	90151	6-pk. 24609	

\*For Waters U6K injection valve.

#### Needles for SGE Syringes

Hub Material	Needle Gauge	Needle Length	Point Style	SGE cat.#	Restek cat.#	price
metal	23	50mm	2	039802	5-pk. 24763	
metal	22	2"/51mm	3	039895**	2-pk. 24765	
metal	18	50mm	2	039842	5-pk. 24764	

\*\*For Rheodyne/Valco valves.



### SGE Gas-Tight Syringes with Shut-off Valves

- Ideal for sample storage and transportation.
- Push-pull shut-off valve.

#### Syringe Fitted with Removable Needle and Valve

Volume	Model	SGE		qty.	Restek	
		cat.#	price		cat.#	price
50µL	50R-V-GT	004279	ea.	24880		
100µL	100R-V-GT	005279	ea.	24881		
250µL	250R-V-GT	006279	ea.	24882		
500µL	500R-V-GT	007279	ea.	24883		
1mL	1MDR-V-GT	008110	ea.	24884		
2.5mL	2.5MDR-V-GT	008510	ea.	24885		

#### Syringe Fitted with Luer-Lock Valve\*

Volume	Model	SGE		qty.	Restek	
		cat.#	price		cat.#	price
1mL	1MR-VLL-GT	008160	ea.	24886		
2.5mL	2.5MDR-VLL-GT	008560	ea.	24887		
5mL	5MDR-VLLMA-GT	008770	ea.	24888		
10mL	10MDR-VLLMA-GT	008970	ea.	24889		
25mL	25MDR-VLLMA-GT	009472	ea.	24890		
50mL	50MR-VLLMA-GT	009670	ea.	24891		
100mL	100MR-VLLMA-GT	009770	ea.	24892		

\*Order needles separately.



### Replacement Needles for SGE Gas-Tight Syringes with Shut-off Valves

#### Model V Syringe Valve: fits any SGE removable needle syringe, 25µL-2.5mL

Syringe Volume	Needle Gauge	Needle Length	Point Style	SGE		qty.	Restek	
				Model	cat.#		cat.#	price
25µL-2.5mL	23	50mm	Cone	V	031905	ea.	24898	



#### Luer-Lock Needles

Syringe Volume	Needle Gauge	Needle Length	Point Style	SGE		qty.	Restek	
				Model	cat.#		cat.#	price
1mL-100mL	23	50mm	2	NLL-5/23	039802	5-pk.	24763	
1mL-100mL	18	50mm	2	NLL-5/18	039842	5-pk.	24764	
1mL-100mL	22	2"/51mm	3	NLL-LC	039895**	2-pk.	24765	

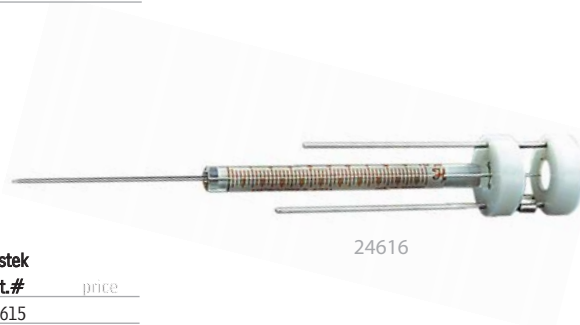
\*\*Fits Rheodyne & Valco injection valves

### Economical Hamilton Syringe Guide\*\*\*

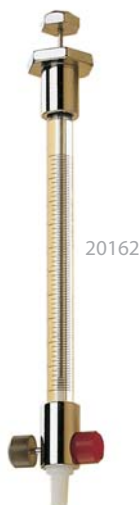
- Prevents syringe plunger from bending.
- Adjustable stop prevents plunger damage.
- Easily installed.

Syringe Volume	Used with Syringe Series	Hamilton cat.#	qty.	Restek cat.#	price
25-500µL	700/1700/1000	14906	ea.	24615	
5-10µL	700/1700/1000	14806	ea.	24616	

\*\*\*Syringe not included.







20162

### A-2 Luer Gas-Tight Syringes\*

- For use with VOA-CYL 4 standards.
- Push-style on-off button valve.

Use to withdraw a gas sample from a high-pressure cylinder through a high-purity VOC single-stage regulator after attaching the appropriate adaptor to the regulator. Use with luer syringe needles listed.

Description	qty.	cat.#	price
100µL Luer Syringe	ea.	20162	
500µL Luer Syringe	ea.	20163	
Luer Syringe Needles (26s gauge)	6-pk.	20133	

\*Restek's A-2 syringes have a luer tip.



21208

### Heavy Duty Purge & Trap Syringe (Dynatech Precision Sampling)

- Heavy-duty glass barrel with metal front and rear flanges.
- Teflon® luer-lock tip.
- Can fill and empty sparge tubes.
- Sample-Lok valve accepts standard luer-lock needles.
- Suitable for purge & trap applications.

Syringe	2mL		5mL		10mL	
	cat.#	price	cat.#	price	cat.#	price
without Sample-Lok	21205		21206		21209	
with Sample-Lok	—	—	21208		21207	



### Luer-Lock Valve Adaptors

Description	SGE		Restek	
	cat.#	qty.	cat.#	price
Luer-Lock Valve Adaptors	200010	2-pk.	21283	

### also available

Restek carries purge & trap vessels.  
See page 199 for more information.



21276

### Jumbo Syringe

Clear acrylic syringes, ideal for holding and dispensing large volumes of gas. An adjustable plunger on the O-ring ensures that the syringe is gas-tight over a long period of time. The central port is supplied with a luer-lock fitting; the secondary port is supplied with a septum nut. This enables access to the gas sample for adding standards or removing a sub-sample. The plunger stem is detachable, making sample storage easy.



21279

21278

### Jumbo Syringe

Volume	Model	SGE		Restek	
		cat.#	qty.	cat.#	price
500mL	500MAR-LL-GT	009910	ea.	21275	
1000mL	1000MAR-LL-GT	009920	ea.	21276	
2000mL	2000MAR-LL-GT	009930	ea.	21277	

### Syringe O-Rings

Syringe Volume	SGE		Restek	
	cat.#	qty.	cat.#	price
500mL	032527	ea.	21278	
1000mL	032532	ea.	21279	

### Syringes for Waters U6K Valves

- Reinforced plungers.
- Removable needles.
- Replaceable plunger/barrel assemblies.
- Barrel stop prevents plunger blowout.

### Hamilton Syringes

Volume	Needle Term.	Needle Gauge	Needle Length	Point Style	Hamilton		Restek	price
					Model	cat.#	qty.	cat.#
10µL	RN	25s	1.97"	3	801	84815	ea.	21255
25µL	RN	25s	1.97"	3	802	84816	ea.	21256
50µL	RN	25s	1.97"	3	805	84817	ea.	21257
100µL	RN	25s	1.97"	3	810	84818	ea.	21258
250µL	RN	25s	1.97"	3	825	84819	ea.	21259

### SGE Syringes

Volume	Needle Term.	Needle Gauge	Needle Length	Point Style	SGE		Restek	price
					Model	cat.#	qty.	cat.#
25µL	R	25	50mm	3	25R-WLC-RA8	003375	ea.	24873
50µL	R	25	50mm	3	50R-WLC-RA8	004375	ea.	24874
100µL	R	25	50mm	3	100R-WLC-RA8	005375	ea.	24875
250µL	R	25	50mm	3	250R-WLC-RA8	006375	ea.	24876
500µL	R	25	50mm	3	500R-WLC-RA8	007375	ea.	24877



Hamilton 50µL Syringe for Waters U6K Valves  
21257

SGE 50µL Syringe for Waters U6K Valves  
24874

### Replacement Needles for Syringes for Waters U6K Valves

#### Needles for Hamilton Syringes

Syringe Volume	Needle Gauge	Needle Length	Point Style	Hamilton cat.#	Restek cat.#	price
10-100µL	25s	1.97"	3	8647-01	6-pk. 21270	
250µL-10mL	25s	1.97"	3	8648-01	6-pk. 21271	



## Technical Service

Do you have a technical question? Restek's Technical Service group has answers!

### Contact us:

For quick answers to commonly asked questions any time of the day, visit [www.restek.com/answers](http://www.restek.com/answers) or contact us directly:

### In the U.S.

Phone: 1-800-356-1688, ext. 4  
Fax: 814-353-1568  
e-mail: [support@restek.com](mailto:support@restek.com)

### Outside the U.S.

Contact your Restek representative.



Tim Herring, Technical Service





