

Gastight Syringes

Gastight syringes are ideal for dispensing both liquids and gases. They have a precision-machined PTFE plunger tip which creates a leak-free seal. With the tight fit, the tip wipes the interior of the syringe barrel free of sample. This feature is particularly useful with heterogeneous samples as it reduces the chance that deposits will build up and cause the plunger to freeze.

The fluid path for all Gastight syringes is designed to be as chemically inert as possible. The liquid contact is borosilicate glass, PTFE, and stainless steel for all syringes except the Super Syringes which use acrylic and Buna-N in the barrel and plunger disc.

Polymer tip creates a leak-free seal for both liquids and gases



1700 Series Syringes

10 μ L to 500 μ L



P. 21

1800 Series Syringes

10 μ L to 250 μ L



P. 23

1000 Series Syringes

1 mL to 100 mL



P. 24

Super Syringes

500 mL to 2 L



P. 25



1700 Series Syringes

The 1700 series syringes are the Gastight version of the original 700 series syringes. This series of syringes is ideal for dispensing volumes from 1 µL up to 500 µL. A variety of different terminations and needle options are available in this series.



Cemented Needle Syringes



P/N	Volume	Gauge	Length	Point	Digital
80000	10 µL	26s ga	51 mm	2	Y
80075	10 µL	26s ga	51 mm	3	Y
80085	10 µL	26 ga	51 mm	3	N
80039	10 µL	26s ga	51 mm	5	N
80008	10 µL	33 – 18 ga	10 – 304 mm	2, 3, 4, 5, AS	N
80200	25 µL	22s ga	51 mm	2	Y
80275	25 µL	22s ga	51 mm	3	Y
80285	25 µL	22 ga	51 mm	3	N
80239	25 µL	22s ga	51 mm	5	N
80208	25 µL	33 – 18 ga	10 – 304 mm	2, 3, 4, 5, AS	N
80900	50 µL	22s ga	51 mm	2	Y
80975	50 µL	22s ga	51 mm	3	Y
80985	50 µL	22 ga	51 mm	3	N
80939	50 µL	22s ga	51 mm	5	N
80908	50 µL	33 – 18 ga	10 – 304 mm	2, 3, 4, 5, AS	N
81000	100 µL	22s ga	51 mm	2	Y
81075	100 µL	22s ga	51 mm	3	Y
81085	100 µL	22 ga	51 mm	3	N
81039	100 µL	22s ga	51 mm	5	N
81008	100 µL	33 – 18 ga	10 – 304 mm	2, 3, 4, 5, AS	N
81100	250 µL	22s ga	51 mm	2	Y
81175	250 µL	22s ga	51 mm	3	Y
81185	250 µL	22 ga	51 mm	3	N
81139	250 µL	22s ga	51 mm	5	N
81108	250 µL	33 – 18 ga	10 – 304 mm	2, 3, 4, 5, AS	N
81217	500 µL	22 ga	51 mm	2	Y
81216	500 µL	22 ga	51 mm	3	N
81243	500 µL	22 ga	51 mm	5	N
81214	500 µL	33 – 18 ga	10 – 304 mm	2, 3, 4, 5, AS	N

Removable Needle Syringes



P/N	Volume	Gauge	Length	Point	Digital
80030	10 µL	26s ga	51 mm	2	Y
80065	10 µL	22s ga	51 mm	3	Y
80014	10 µL	32 ga	51 mm	3	N
7653-01	10 µL	NDL Sold Separately (Small RN)			N
80230	25 µL	22s ga	51 mm	2	Y
80265	25 µL	22s ga	51 mm	3	N
7654-01	25 µL	NDL Sold Separately (Small RN)			N
80930	50 µL	22s ga	51 mm	2	Y
80965	50 µL	22s ga	51 mm	3	N
7655-01	50 µL	NDL Sold Separately (Small RN)			N
81030	100 µL	22s ga	51 mm	2	Y
81065	100 µL	22s ga	51 mm	3	N
7656-01	100 µL	NDL Sold Separately (Small RN)			N
81130	250 µL	22s ga	51 mm	2	Y
81165	250 µL	22 ga	51 mm	3	N
7657-01	250 µL	NDL Sold Separately (Large RN)			N
81230	500 µL	22 ga	51 mm	2	Y
81265	500 µL	22 ga	51 mm	3	N
7658-01	500 µL	NDL Sold Separately (Large RN)			N



Point Styles





1700 Series Syringes (Cont.)

Luer Tip Syringes



P/N	Volume	Needle Hub	Digital
80001	10 µL	Kel-F Hub	N
80201	25 µL	Kel-F Hub	N
80901	50 µL	Kel-F Hub	Y
81001	100 µL	Kel-F Hub	N
81101	250 µL	Kel-F Hub	N
81201	500 µL	Kel-F Hub	N

ChemSeal Syringes



P/N	Volume	Needle Hub	Plunger Stop
80062	10 µL	No Needle Available	Yes
80262	25 µL	No Needle Available	Yes
80962	50 µL	No Needle Available	Yes
81062	100 µL	No Needle Available	Yes
81060	100 µL	No Needle Available	No
81162	250 µL	No Needle Available	Yes
81160	250 µL	No Needle Available	No
81262	500 µL	No Needle Available	Yes
81260	500 µL	No Needle Available	No

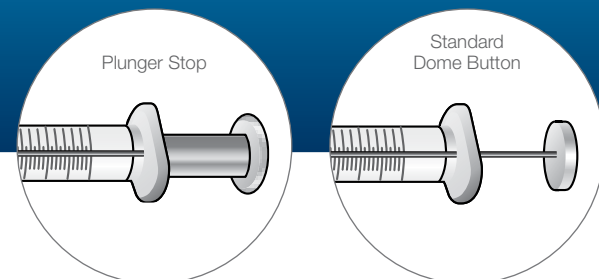
Luer Lock Syringes



P/N	Volume	Needle Hub	Plunger Stop
80222	25 µL	Metal or Kel-F Hub	Yes
80920	50 µL	Metal or Kel-F Hub	No
80922	50 µL	Metal or Kel-F Hub	Yes
81020	100 µL	Metal or Kel-F Hub	No
81022	100 µL	Metal or Kel-F Hub	Yes
81120	250 µL	Metal or Kel-F Hub	No
81122	250 µL	Metal or Kel-F Hub	Yes
81220	500 µL	Metal or Kel-F Hub	No
81222	500 µL	Metal or Kel-F Hub	Yes

Plunger Stop

For syringes 1 mL and smaller, the Plunger Stop replaces the standard dome button. The stop has a #6-32 threaded hole in the back for connecting to a syringe pump and is adjusted to protect the plunger tip from damage by hitting the syringe flange before the plunger tip bottoms out. Syringes larger than 1 mL come standard with a #6-32 threaded hole and do not require a plunger stop.



1800 Series Syringes

The 1800 series syringes are the reinforced plunger version of the 1700 series syringes. Attached to the flange of the syringe is a blue syringe holder. The syringe holder provides an area to hold the syringe that prevents heat transfer, dispense inaccuracies, and plunger blow outs. Additionally it provides support to small volume plungers that are prone to bending during injection. This series of syringes is ideal for dispensing volumes from 1 μL up to 250 μL .

Cemented Needle Syringes



P/N	Volume	Gauge	Length	Point
84875	10 μL	26s ga	51 mm	2
84878	25 μL	22s ga	51 mm	2
84881	50 μL	22s ga	51 mm	2
84884	100 μL	22s ga	51 mm	2
84887	250 μL	22s ga	51 mm	2

Removable Needle Syringes



P/N	Volume	Gauge	Length	Point
84877	10 μL	26s ga	51 mm	2
7659-01	10 μL	NDL Sold Separately (Small RN)		
84880	25 μL	22s ga	51 mm	2
7660-01	25 μL	NDL Sold Separately (Small RN)		
84883	50 μL	22s ga	51 mm	2
7661-01	50 μL	NDL Sold Separately (Small RN)		
84886	100 μL	22s ga	51 mm	2
7662-01	100 μL	NDL Sold Separately (Small RN)		
84889	250 μL	22s ga	51 mm	2
7663-01	250 μL	NDL Sold Separately (Large RN)		



Point Styles





1000 Series Syringes

The 1000 series syringes are a mid-volume Gastight syringe. This series of syringes is ideal for dispensing volumes from 100 µL up to 100 mL. A variety of different terminations and needle options are available in this versatile syringe series.



P/N	Volume	Gauge	Length	Point
81317	1 mL	22 ga	51 mm	2
81316	1 mL	22 ga	51 mm	3
81343	1 mL	22 ga	51 mm	5
81314	1 mL	33 – 18 ga	10 – 304 mm	2,3,4,5, AS
81416	2.5 mL	22 ga	51 mm	3
81417	2.5 mL	22 ga	51 mm	2
81443	2.5 mL	22 ga	51 mm	5
81414	2.5 mL	33 – 18 ga	10 – 304 mm	2,3,4,5, AS
81516	5 mL	22 ga	51 mm	3
81517	5 mL	22 ga	51 mm	2
81543	5 mL	22 ga	51 mm	5
81514	5 mL	33 – 18 ga	10 – 304 mm	2,3,4,5, AS
81616	10 mL	22 ga	51 mm	3
81617	10 mL	22 ga	51 mm	2
81643	10 mL	22 ga	51 mm	5
81614	10 mL	33 – 18 ga	10 – 304 mm	2,3,4,5, AS

Luer Tip Cemented Needle Syringes



P/N	Volume	Gauge	Length	Point
81317	1 mL	22 ga	51 mm	2
81316	1 mL	22 ga	51 mm	3
81343	1 mL	22 ga	51 mm	5
81314	1 mL	33 – 18 ga	10 – 304 mm	2,3,4,5, AS
81417	2.5 mL	22 ga	51 mm	2
81416	2.5 mL	22 ga	51 mm	3
81443	2.5 mL	22 ga	51 mm	5
81414	2.5 mL	33 – 18 ga	10 – 304 mm	2,3,4,5, AS
81517	5 mL	22 ga	51 mm	2
81516	5 mL	22 ga	51 mm	3
81543	5 mL	22 ga	51 mm	5
81514	5 mL	33 – 18 ga	10 – 304 mm	2,3,4,5, AS
81617	10 mL	22 ga	51 mm	2
81616	10 mL	22 ga	51 mm	3
81643	10 mL	22 ga	51 mm	5
81614	10 mL	33 – 18 ga	10 – 304 mm	2,3,4,5, AS

Removable Needle Syringes



P/N	Volume	Gauge	Length	Point
81330	1 mL	22 ga	51 mm	2
81365	1 mL	22 ga	51 mm	3
7649-01	1 mL	NDL Sold Separately (Large RN)		
81430	2.5 mL	22 ga	51 mm	2
7650-01	2.5 mL	NDL Sold Separately (Large RN)		
81530	5 mL	22 ga	51 mm	2
7651-01	5 mL	NDL Sold Separately (Large RN)		
81630	10 mL	22 ga	51 mm	2
7652-01	10 mL	NDL Sold Separately (Large RN)		



Point Styles



1000 Series Syringes (Cont.)

Luer Tip Syringes



P/N	Volume	Needle Hub
81301	1 mL	Kel-F Hub
81401	2.5 mL	Kel-F Hub
81501	5 mL	Kel-F Hub
81601	10 mL	Kel-F Hub

ChemSeal Syringes



P/N	Volume	Needle Hub
81360	1 mL	No Needle Available
81460	2.5 mL	No Needle Available
81560	5 mL	No Needle Available
81660	10 mL	No Needle Available

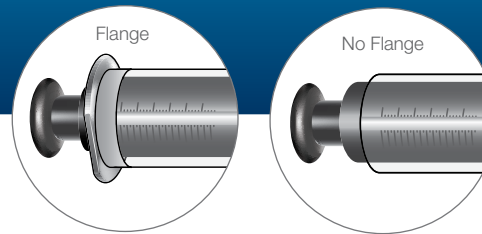
Luer Lock Syringes



P/N	Volume	Needle Hub	With Flange
81320	1 mL	Metal or Kel-F Hub	Yes
81420	2.5 mL	Metal or Kel-F Hub	Yes
81520	5 mL	Metal or Kel-F Hub	Yes
81620	10 mL	Metal or Kel-F Hub	Yes
82520	25 mL	Metal or Kel-F Hub	Yes
82521	25 mL	Metal or Kel-F Hub	No
85020	50 mL	Metal or Kel-F Hub	Yes
85021	50 mL	Metal or Kel-F Hub	No
86020	100 mL	Metal or Kel-F Hub	Yes

Syringe Without Flange

The flange on a 25 mL and 50 mL syringe can interfere with mounting the syringe into a syringe pump. For these cases the syringes are available without a flange.



Super Syringes

The Hamilton Super Syringe is a large volume Gastight syringe. These syringes are ideal for dispensing volumes from 50 mL up to 2 L. Super Syringes are the only Hamilton syringes that are made with an acrylic barrel instead of glass.

Super Syringes



P/N	Volume	Needle Hub
86311	500 mL	Metal or Kel-F Hub
86312	1 L	Metal or Kel-F Hub
86313	1.5 L	Metal or Kel-F Hub
86314	2 L	Metal or Kel-F Hub

