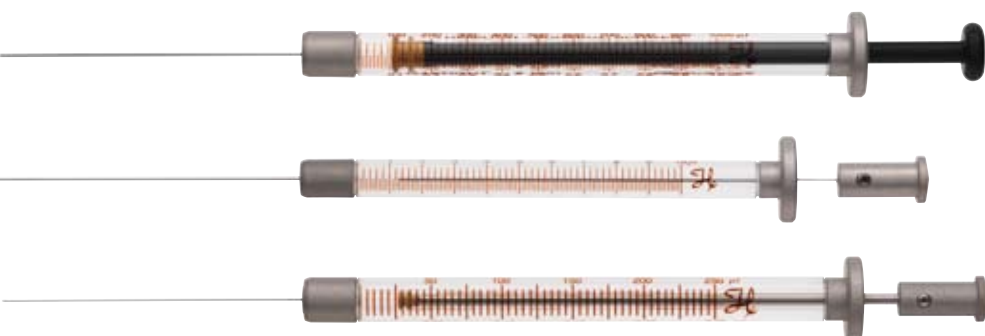


GC Autosampler Syringes

For manual injection and for automatic injectors (autosamplers) from leading manufacturers you can choose from a wide variety of HAMILTON syringes.

CTC GC PAL® Autosampler Syringes (PAL is a registered trademark of CTC Analytics AG, Switzerland)

The latest generation of autosampler syringes is used in the CTC GC and LC PAL instrument. These syringes combine the well known HAMILTON syringe with the latest development in syringes.



CTC GC PAL® 700 Series Syringes



Ordering information	Volume 1.2 µl Model 7701.2	Volume 5 µl Model 75 Gauge 26s	Volume 5 µl Model 75 **/**	Volume 10 µl Model 701 Gauge 23s	Volume 10 µl Model 701 Gauge 26s	Volume 10 µl Model 701 **/**
Needle pstAS	203185	203189		203361	203205	
Needle pst2				203363	203072	
SN needle *			203197			203198

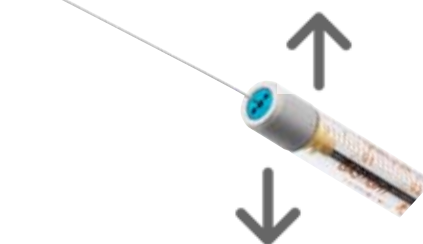
* Specify needle gauge, length, point style and whether electro-tapered.

NEW Flange design for clear assembling in the instrument.



Adjustable plunger protects plunger tip from squeezing.

NEW SEAL TIP
PTFE/Polymer mixture:
better temperature stability.



Needle fixed to barrel.
Zero carry over.
Sample has no contact with glue or cement.

GC Autosampler Syringes

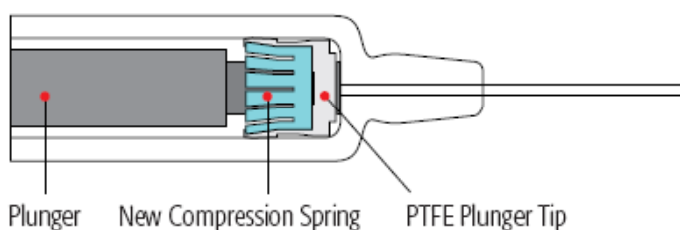
CTC GC PAL® 1700 Series Syringes and Spare Parts



Ordering information	Volume 10 µl Model 1701 Gauge 26s	Volume 25 µl Model 1702 Gauge 26s	Volume 25 µl 1702 Slim Line Gauge 26s	Volume 100 µl Model 1710 Gauge 26s	Volume 250 µl Model 1725 Gauge 26	Volume 500 µl Model 1750 Gauge 26
Needle pstAS		203043	203074	203076	203078	203080
SN needle *	203206	203209	203275	203226	203219	
Plunger assembly 10 pcs/pack	203239	203245	203276	203246	203249	203254

* Specify needle gauge, length, point style and whether electro-tapered.

CTC Headspace® Syringes and Spare Parts



A spring supported sealing increases the performance in Headspace technique:

- Increased lifetime
- Better performance
- Improved sealing at various temperature



Ordering information	Volume 1000 µl Model 1001 Gauge 23	Volume 1000 µl Model 1001 Gauge 26	Volume 2500 µl Model 1002 Gauge 23	Volume 2500 µl Model 1002 Gauge 26	Volume 5000 µl Model 1005 Gauge 23	Volume 5000 µl Model 1005 Gauge 26
Needle pst5	203082	203141	203084	203181	203086	203182
Replacement plunger Only 1 piece/pack	207114	207114	207115	207115	207116	207116

GC Autosampler Syringes

The syringe for accurate and effective sampling in your Agilent Autosampler. The syringes are available with N (cemented) and RN (removable) needle.



Tech Tip

Always pull liquid into a syringe barrel to wet the interior surface. Avoid unnecessary moving or pumping of the plunger in a dry syringe. Excessive dry pumping increases plunger wear, shortens syringe life expectancy and may lead to damage beyond repair.



Economical Tip

Six Pack

- Savings! Syringes cost less in a Six Pack.
- Convenience! The packaging container keeps syringes close at hand.

Agilent Instrument 7673-7683, 6850 ALS



Ordering information	Needle length mm	Volume 0.5 µl Model 7000.5	Volume 1 µl Model 7001	Volume 5 µl Model 75	Volume 10 µl Model 701	Volume 10 µl Model 1701
N needle 23s/AS	43			87987	80387	80080
RN needle 23s/AS	43	86276	80176	87957	80357	80087
N needle 23s/2	43			87991	80398	
N needle 26s/AS	43			87988	80388	
RN needle 26s/AS	43	86274		87958	80358	80088
N needle 26s/2	43			87992	80399	
N needle 23s-26s/AS	43			87993	80393	80079
RN needle 23s-26s/AS	43			87959	80359	80089

GC Autosampler Syringes

Agilent Instrument 7673-7683, 6850 ALS (Six Pack)



Ordering information	Needle length mm	Volume 5 µl Model 75	Volume 10 µl Model 701	Volume 10 µl Model 1701
N needle 23s/AS	43	87990	80390	80094
N needle 26s/AS	43	87989	80389	
N needle 23s-26s/AS	43	87994	80391	80096

Agilent Instrument 7670, 7671, 7672 ALS



Ordering information	Needle length mm	Volume 5 µl Model 75	Volume 10 µl Model 701	Volume 10 µl Model 1701
N needles 26s/2	51	87900	80300	80000
RN needle 26s/2	51		80338	80011
RN needle 26s/2, 6 pack	51		80366	

Six Pack RN Needles Agilent Instrument 7673-7683, 6850, 7670, 7671, 7672 ALS



Ordering information	Needle length mm	Volume 5 µl Model 75	Volume 10 µl Model 701	Volume 10 µl Model 1701
RN needle 23s/AS	43	7786-01	7786-01	
RN needle 26s/AS	43	7786-02	7786-02	
RN needle 26s/2	51			7758-02
RN needle 23s-26s/AS	43	7785-01	7785-01	

GC Autosampler Syringes

Varian-Chrompack GC Autosamplers

Varian 8100/8200

Ordering information	Needle length mm	Volume 10 µl Model 701 Varian
RN needle 0.48 mm/pst5		202880
RN replacement needle 0.48 mm/pst5		202903



Varian CP 8400/8410 CP9010/9050

Ordering information	Needle length mm	Volume 5 µl Model 75	Volume 10 µl Model 701
N needle 26s/2	51	87900	80300
N needle 26s/2, 6 pcs/pk	51		80366



Shimadzu GC Autosamplers

Shimadzu AOC-9

Ordering information	Needle length mm	Volume 5 µl Model 75	Volume 10 µl Model 701
RN needle 26s/2	51	87930	80330
RN replacement needle 26s/2 6 pcs/pk	51	7758-02	7758-02



Tech Tip

Burrs, rough edges at the needle opening, and a rough needle surface can be removed by gently rubbing with a fine emery cloth or fine carborundum paper. Make sure to thoroughly rinse and dry the needle before using.

GC Autosampler Syringes

Shimadzu AOC-14/17/20

Ordering information	Needle length mm	Volume 5 µl Model 75	Volume 10 µl Model 701
RN needle 22s/2	51	202630	202640
RN replacement needle 22s/2	51	202645	202645



Thermo Autosamplers

HS 250/500/850

Ordering information	Needle length mm	Volume 2500 µl Model 1002 Gauge 22
LTN needle pst5	56	202660
LTN without needle		202670



AS 800

Ordering information	Needle length mm	Volume 10 µl Model 701 Gauge 26s
N needle pstAS	80	202066



AI/AS 3000 Tri Plus™

Ordering information	Needle length mm	Volume 5 µl Model 75 Gauge 26s	Volume 10 µl Model 701 Gauge 26s	Volume 10 µl Model 1701 Gauge 26s
N needle pst2	50	204000	204001	
N needle pstAS	50	204051	204052	
RN needle pst2	50			204922

GC Autosampler Syringes

Perkin-Elmer® Autosystem™

Autosystem™ and Clarus 500 GC

Ordering information	Needle length mm	Volume 5 µl Model 75
N needle O.D. 0.47 mm/pst3	70	88040
N needle O.D. 0.63 mm/pst3	70	88035



Syringes for On-Column Grob GC Injection

Ordering information	Needle length mm	Volume 0.5 µl Model 7000.5 OC	Volume 5 µl Model 75	Volume 10 µl Model 701
N needle 0.23/pst45°	85		200741	200740
N needle 0.23/pst45°	75		200743	200742
KH needle 0.23/pst3	100	86257		

