



SYRINGE CARE AND MAINTENANCE

5 μ L-500 μ L SYRINGES

PRECAUTIONS

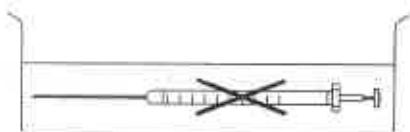
- Check syringe barrel for damage or needle for burrs before use



- Minimise plunger pumping when dry



- Do not immerse entire syringe in solvent



- Do not expose to sudden changes in temperature
- Remove Teflon[®] tipped plungers before autoclaving



- Only Teflon tipped plungers are replaceable

SPECIFICATIONS

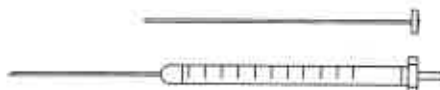
	Fixed Needle	Removable Needle
Temperature	5-70°C	5-100°C
Sterilisation Mode	Autoclave (remove plunger) Gas (ethylene oxide)	Autoclave (remove plunger) Gas (ethylene oxide)

SYRINGE CARE

- Cleaning

Clean thoroughly before storage

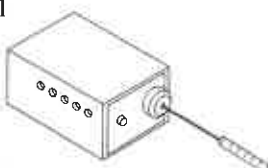
Fill syringe with solvent (acetone) for a short period of time then air dry



- Plunger - Wipe plunger clean with a lint free tissue before replacement.
Be careful not to bend it.



- To unblock needle - Remove plunger and fill syringe with solvent using another syringe. Insert plunger and gently push solvent through needle. Alternatively use needle cleaning kit (P/N 031782) or syringe cleaner



- To deburr bevel needle tip use an emery board or carborundum paper



Syringe Conformance

This syringe has been manufactured using measuring equipment traceable to International Standards through the National Bureau of Standards (NBS) and the National Institute of Standards and Testing (NIST). SGE ensures that the displacement volume is within the conformance specifications. For applications requiring individual syringe calibration, SGE offers a factory calibration service. Contact your SGE office or dealer for details.

REPLACEMENT PARTS

REPLACEMENT FITTED NEEDLES

For syringes with "R" in the order code



Syringe Capacity	Type		Replacement Needle Part No.	Length (mm)	OD (mm)	Tip	Qty		
5µL	Manual	R, R-GP, RX,	036110	50	0.47	Bevel	5		
		R-LC, RX-LC, LC-GP	036250	51	0.028"	LC	5		
		R-MP	036953	-	0.47	Dome	2		
		RX-WLC	036260	50	0.50	LC	5		
		R-GPS	037110	50	0.47	Bevel	5		
	HP7673	R-HP-0.47	036710	42	0.47	Cone	2		
		R-HP-0.63	036720	42	0.63	Cone	2		
		R-SS-GT-7T	036330	70	0.47	S/Bevel	2		
		10µL	Manual	R, R-GP, R-GT, RX	037110	50	0.47	Bevel	5
				R-LC, RX-LC, LC-GP	037250	51	0.028"	LC	5
RX-WLC	037260			50	0.50	LC	5		
HP7673	R-HP-0.47, R-HP-GT-0.47, RX-HP-0.47		037715	42	0.47	Cone	2		
	R-HP-0.63, R-HP-GT-0.63, RX-HP-0.63		037717	42	0.63	Cone	2		
	CTC/FIS		R-C/F-5/0.47C	037785	50	0.47	Cone	2	
	CTC		R-CTC-0.63	037787	50	0.63	Cone	2	
	FISONS		R-C/F-8/0.47C	031535	80	0.47	Cone	3	
	Unicam		R-U-7T	037330	70	0.47	S/Bevel	2	
	Siemens		R-SM-7	037895	70	0.63	Cone	2	
Shimadzu	R-S(9)-0.47	037736	50	0.47	Cone	2			
	R-S-0.47	037745	42	0.47	Cone	2			
	R-S-0.63	037747	42	0.63	Cone	2			
	15µL	Manual	R-MP	037995	20	0.50	Dome	2	
R, R-GT, R-GSG, R-V-GT			038110	50	0.50	Bevel	5		
25µL-500µL		Manual	R-LC	038250	51	0.028"	LC	5	
			R-WLC	038260	50	0.50	LC	5	
			R-LC-7	038270	70	0.028"	LC	5	
			R-VLL-GT F-LT-GT F-LL-GT	refer SGE catalogue					
			HP7673	R-HP-0.63	038717	42	0.63	Cone	2
		CTC/FIS	R-C/F-GT-LC	038250	51	0.028"	LC	5	
			R-C/F-5/0.63C	038735	50	0.63	Cone	2	

Non standard length needles and many special purpose needle options are available for these syringes. Consult your SGE catalogue or distributor for more information.

REPLACEMENT PLUNGERS

For syringes with "GT" in the order code

Syringe Capacity	Type	Replacement Plunger	Qty
5µL	F-PE-GT-0.47 or -0.63	031807	2
	R-SS-GT-7	031806	1
10µL	F-GT	031810	2
	R-GT	031811	2
	F-HP-GT	031808	2
	R-HP-GT-0.47 or -0.63	031809	2
	F-CTC-GT-0.63	031803	1
25µL	F-GT, R-GT	031815	1
	F-CTC-GT-0.63	031817	1
50µL	F-GT, R-GT, R-V-GT, F-LT-GT, F-LL-GT	031820	1
100µL	F-GT, R-GT, R-V-GT, F-LT-GT, F-LL-GT	031825	1
	R-C/F-GT-LC	031826	1
250µL	F-GT, R-GT, R-V-GT, F-LT-GT, F-LL-GT	031830	1
	R-C/F-GT-LC	031831	1
500µL	F-GT, R-GT, R-V-GT, F-LT-GT, F-LL-GT	031835	1

Specifications are subject to change without notice.
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SGE web site: <http://www.sge.com>

REPLACEMENT GAS SEALING GLAND

For fixed or removable needles with "GSG" in the order code.

Syr. Capacity	25µL	50µL	100µL	250µL	500µL
Part No.	032062	032064	032066	032068	032070

SGE WARRANTY

All SGE syringes are warranted to be free of material and workmanship defects. No other warranty is expressed or implied. Any syringe failing due to such defects will be replaced free of charge provided an explanation is given. Do not return failed or damaged syringes unless requested by SGE to do so.

CAUTION: DO NOT RETURN ANY SYRINGE CONTAMINATED WITH RADIOACTIVE, INFECTIOUS OR HAZARDOUS MATERIALS.

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