

Rheodyne® Stainless Steel Sample Loops

These high quality stainless steel sample loops have burr-free, square-cut ends to ensure a flush connection to valve ports. The size designations of loops are nominal. The actual volumes can differ from the theoretical designations because of the 0.001" (± 0.025 mm) tolerance of the metal tubing bore.

Accuracy of large metal loops (1.0 mm, 0.040" bore) is about $\pm 5\%$, intermediate loops (0.5 mm, 0.020" bore) ±10%, and small loops (0.2 mm, 0.007" bore) ±30%.

Since both standards and unknowns are usually analyzed using the same sample loop, knowledge of the actual, accurate volume is rarely needed. If the sample loop volume must be known, it is best to calibrate the loop in place on the valve so the flow passages in the valve are also taken into account. An alternative to calibration is to use a dual mode injector and partial-filling method of loading. See the "Sample Loop Loading" Application Note on page 98.

Model 7725 Injector loops are not interchangeable with loops for the model 7125. The port angle for the 7725 is 30° whereas the port angle for the 7125 is 20° requiring the loops to have a different shape.

Model 8125 Micro-Scale Sample Injector requires special loops in the $5.0~\mu L$ to $50~\mu L$ range. The 8125 sample loops are made with 0.5~mm(0.020") OD tubing.

Stainless steel sample loops are supplied with unswaged fittings. The two ends of the loop must be completely bottomed in the injector ports before the ferrule is swaged onto the loop. Swaging each end separately and then replacing the ends in their respective ports of the same valve ensures that the loop ends are bottomed into the ports. A fitting made up in one port may leave an undesirable cavity in another port. As all ports vary in all valves, careful attention to loop installation is important. Please see the "How to Properly Install Sample Loops" Application Note on page 98 for more information.



RHEODYNE	STAINLESS STEEL LO	OOPS FOR MXT715-000	
	Volume	Tubing	
7755-300	5 μL Sample Loop	0.18 mm (0.007") ID x 1/16" OD	
7755-301	10 μL Sample Loop	0.30 mm (0.012") ID x 1/16" OD	
7755-302	20 μL Sample Loop	0.30 mm (0.012") ID x 1/16" OD	
7755-303	50 μL Sample Loop	0.51 mm (0.021") ID x 1/16" OD	
7755-304	100 µL Sample Loop	0.51 mm (0.021") ID x 1/16" OD	
RHEODYNE	STAINLESS STEEL LO	OOPS FOR 7125, 7010 INJECT	ORS
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	Volume	Tubing	
7020	5 μL Sample Loop	0.18 mm (0.007") ID x 1/16" OD	
7021	10 μL Sample Loop	0.30 mm (0.012") ID x 1/16" OD	
7022	20 μL Sample Loop	0.51 mm (0.020") ID x 1/16" OD	
7023	50 μL Sample Loop	0.51 mm (0.020") ID x 1/16" OD	
7024	100 µL Sample Loop	0.51 mm (0.020") ID x 1/16" OD	
7025	200 μL Sample Loop	0.76 mm (0.030") ID x 1/16" OD	
7026	500 μL Sample Loop	0.76 mm (0.030") ID x 1/16" OD	
7027	1.0 mL Sample Loop	0.76 mm (0.030") ID x 1/16" OD	
7028	2.0 mL Sample Loop	1.0 mm (0.040") ID x 1/16" OD	
7029	5.0 mL Sample Loop	1.0 mm (0.040") ID x 1/16" OD	
1876	10 mL Sample Loop	2.0 mm (0.080") ID x 1/8" OD	
1877	20 mL Sample Loop	2.0 mm (0.080") ID x 1/8" OD	
		OOPS FOR 3725-038,	
3725I-038 I			
20/5 040	Volume	Tubing	
3065-018	2.0 mL Sample Loop	2.0 mm (0.080") ID x 1/8" OD	
3065-019	5.0 mL Sample Loop	2.0 mm (0.080") ID x 1/8" OD	
3065-023	10 mL Sample Loop	2.0 mm (0.080") ID x 1/8" OD	
3065-025	20 mL Sample Loop	2.0 mm (0.080") ID x 1/8" OD OOPS FOR 7725, 7725i, PR/EV	/700 100
	E STAINLESS STEEL L	OOF3 FOR //23, //231, FR/EV	700-100,
PR/EV703-1	100, MX MODULE IN.	JECTORS (DO NOT USE FOR 712	
PR/EV703-1	100, MX MODULE IN. Volume	JECTORS (DO NOT USE FOR 712 Tubing	
PR/EV703-1	Volume	Tubing	
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7755-020	Volume 5 μL Sample Loop 10 μL Sample Loop	Tubing 0.18 mm (0.007") ID x 1/16" OD 0.30 mm (0.012") ID x 1/16" OD	
7755-020 7755-021	Volume 5 µL Sample Loop 10 µL Sample Loop 20 µL Sample Loop	Tubing 0.18 mm (0.007") ID x 1/16" OD 0.30 mm (0.012") ID x 1/16" OD 0.30 mm (0.012") ID x 1/16" OD	
7755-020 7755-021 7755-022	Volume 5 µL Sample Loop 10 µL Sample Loop 20 µL Sample Loop 50 µL Sample Loop	Tubing 0.18 mm (0.007") ID x 1/16" OD 0.30 mm (0.012") ID x 1/16" OD 0.30 mm (0.012") ID x 1/16" OD 0.30 mm (0.012") ID x 1/16" OD 0.51 mm (0.020") ID x 1/16" OD	
7755-020 7755-021 7755-022 7755-023	Volume 5 µL Sample Loop 10 µL Sample Loop 20 µL Sample Loop 50 µL Sample Loop 100 µL Sample Loop	Tubing 0.18 mm (0.007") ID x 1/16" OD 0.30 mm (0.012") ID x 1/16" OD 0.30 mm (0.012") ID x 1/16" OD 0.30 mm (0.012") ID x 1/16" OD 0.51 mm (0.020") ID x 1/16" OD 0.51 mm (0.020") ID x 1/16" OD	
7755-020 7755-021 7755-022 7755-023 7755-024	Volume 5 µL Sample Loop 10 µL Sample Loop 20 µL Sample Loop 50 µL Sample Loop 100 µL Sample Loop 200 µL Sample Loop	Tubing 0.18 mm (0.007") ID x 1/16" OD 0.30 mm (0.012") ID x 1/16" OD 0.30 mm (0.012") ID x 1/16" OD 0.30 mm (0.012") ID x 1/16" OD 0.51 mm (0.020") ID x 1/16" OD	
7755-020 7755-021 7755-022 7755-023 7755-024 7755-025 7755-026	Volume 5 µL Sample Loop 10 µL Sample Loop 20 µL Sample Loop 50 µL Sample Loop 100 µL Sample Loop 200 µL Sample Loop 500 µL Sample Loop	Tubing 0.18 mm (0.007") ID × 1/16" OD 0.30 mm (0.012") ID × 1/16" OD 0.30 mm (0.012") ID × 1/16" OD 0.51 mm (0.020") ID × 1/16" OD 0.51 mm (0.020") ID × 1/16" OD 0.76 mm (0.030") ID × 1/16" OD 0.76 mm (0.030") ID × 1/16" OD	
7755-020 7755-021 7755-022 7755-023 7755-024 7755-025	Volume 5 μL Sample Loop 10 μL Sample Loop 20 μL Sample Loop 50 μL Sample Loop 100 μL Sample Loop 200 μL Sample Loop 200 μL Sample Loop 500 μL Sample Loop	Tubing 0.18 mm (0.007") ID × 1/16" OD 0.30 mm (0.012") ID × 1/16" OD 0.30 mm (0.012") ID × 1/16" OD 0.51 mm (0.020") ID × 1/16" OD 0.51 mm (0.020") ID × 1/16" OD 0.76 mm (0.030") ID × 1/16" OD	
7755-020 7755-021 7755-022 7755-023 7755-024 7755-025 7755-026 7755-027	Volume 5 μL Sample Loop 10 μL Sample Loop 20 μL Sample Loop 50 μL Sample Loop 100 μL Sample Loop 200 μL Sample Loop 200 μL Sample Loop 500 μL Sample Loop 2.0 mL Sample Loop	Tubing 0.18 mm (0.007") ID x 1/16" OD 0.30 mm (0.012") ID x 1/16" OD 0.30 mm (0.012") ID x 1/16" OD 0.51 mm (0.020") ID x 1/16" OD 0.51 mm (0.020") ID x 1/16" OD 0.76 mm (0.030") ID x 1/16" OD 0.76 mm (0.030") ID x 1/16" OD 0.76 mm (0.030") ID x 1/16" OD 1.0 mm (0.040") ID x 1/16" OD	
7755-020 7755-021 7755-022 7755-023 7755-024 7755-025 7755-026 7755-027 7755-028	Volume 5 μL Sample Loop 10 μL Sample Loop 20 μL Sample Loop 50 μL Sample Loop 100 μL Sample Loop 200 μL Sample Loop 200 μL Sample Loop 500 μL Sample Loop 2.0 mL Sample Loop 5.0 mL Sample Loop 5.0 mL Sample Loop	Tubing 0.18 mm (0.007") ID × 1/16" OD 0.30 mm (0.012") ID × 1/16" OD 0.30 mm (0.012") ID × 1/16" OD 0.51 mm (0.020") ID × 1/16" OD 0.51 mm (0.020") ID × 1/16" OD 0.76 mm (0.030") ID × 1/16" OD	
7755-020 7755-021 7755-022 7755-023 7755-024 7755-025 7755-026 7755-027 7755-028 7755-029	Volume 5 µL Sample Loop 10 µL Sample Loop 20 µL Sample Loop 50 µL Sample Loop 100 µL Sample Loop 200 µL Sample Loop 200 µL Sample Loop 500 µL Sample Loop 50 mL Sample Loop 2.0 mL Sample Loop 5.0 mL Sample Loop	Tubing 0.18 mm (0.007") ID x 1/16" OD 0.30 mm (0.012") ID x 1/16" OD 0.30 mm (0.012") ID x 1/16" OD 0.51 mm (0.020") ID x 1/16" OD 0.51 mm (0.020") ID x 1/16" OD 0.51 mm (0.030") ID x 1/16" OD 0.76 mm (0.030") ID x 1/16" OD 0.76 mm (0.030") ID x 1/16" OD 1.0 mm (0.040") ID x 1/16" OD 1.0 mm (0.040") ID x 1/16" OD	
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7755-020 7755-021 7755-022 7755-023 7755-024 7755-025 7755-026 7755-027 7755-027 7755-028 7755-029 1876 1877 RHEODYNE	Volume 5 μL Sample Loop 10 μL Sample Loop 20 μL Sample Loop 50 μL Sample Loop 100 μL Sample Loop 200 μL Sample Loop 200 μL Sample Loop 200 μL Sample Loop 500 μL Sample Loop 1.0 mL Sample Loop 5.0 mL Sample Loop 20 mL Sample Loop 20 mL Sample Loop 20 mL Sample Loop 21 mL Sample Loop 22 mL Sample Loop 25 TAINLESS STEEL LOO Volume 5 μL Sample Loop	Tubing 0.18 mm (0.007") ID × 1/16" OD 0.30 mm (0.012") ID × 1/16" OD 0.30 mm (0.012") ID × 1/16" OD 0.51 mm (0.020") ID × 1/16" OD 0.51 mm (0.020") ID × 1/16" OD 0.76 mm (0.030") ID × 1/16" OD 0.76 mm (0.030") ID × 1/16" OD 0.76 mm (0.030") ID × 1/16" OD 1.0 mm (0.030") ID × 1/16" OD 1.0 mm (0.040") ID × 1/16" OD 2.0 mm (0.000") ID × 1/8" OD 2.0 mm (0.080") ID × 1/8" OD OPS FOR 8125 INJECTOR LUMES > 50 μL) Tubing 0.20 mm (0.008") ID × 1/16" OD	
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7755-020 7755-021 7755-022 7755-023 7755-024 7755-025 7755-026 7755-028 7755-028 7755-029 1876 1877 RHEODYNE (USE 7755-02 8020 8021 8022	Volume 5 μL Sample Loop 10 μL Sample Loop 20 μL Sample Loop 50 μL Sample Loop 100 μL Sample Loop 200 μL Sample Loop 200 μL Sample Loop 200 μL Sample Loop 2.0 mL Sample Loop 2.0 mL Sample Loop 2.0 mL Sample Loop 2.0 mL Sample Loop 3.0 mL Sample Loop 4.0 mL Sample Loop 5.0 mL Sample Loop 6.0 μL Sample Loop 7.0 μL Sample Loop 7.0 μL Sample Loop	Tubing 0.18 mm (0.007") ID × 1/16" OD 0.30 mm (0.012") ID × 1/16" OD 0.30 mm (0.012") ID × 1/16" OD 0.51 mm (0.020") ID × 1/16" OD 0.51 mm (0.020") ID × 1/16" OD 0.76 mm (0.030") ID × 1/16" OD 0.76 mm (0.030") ID × 1/16" OD 0.76 mm (0.030") ID × 1/16" OD 1.0 mm (0.040") ID × 1/16" OD 1.0 mm (0.040") ID × 1/16" OD 2.0 mm (0.080") ID × 1/16" OD 0.00PS FOR 8125 INJECTOR LUMES > 50 μL Tubing 0.20 mm (0.008") ID × 1/16" OD 0.20 mm (0.008") ID × 1/16" OD 0.20 mm (0.008") ID × 1/16" OD	
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7755-020 7755-021 7755-022 7755-023 7755-024 7755-025 7755-026 7755-028 7755-029 1876 1877 RHEODYNE (USE 7755-02 8020 8021 8022 8023 REPLACEM 6000-082 6000-083	Volume 5 µL Sample Loop 10 µL Sample Loop 20 µL Sample Loop 50 µL Sample Loop 100 µL Sample Loop 200 µL Sample Loop 500 µL Sample Loop 10 mL Sample Loop 10 mL Sample Loop 10 mL Sample Loop 20 mL Sample Loop 20 mL Sample Loop 20 mL Sample Loop 3 mL Sample Loop 5 µL Sample Loop 5 µL Sample Loop 5 µL Sample Loop 10 µL Sample Loop 10 µL Sample Loop 20 µL Sample Loop 10 µL Sample Loop 10 µL Sample Loop 5 µL Sample Loop 10 µL Sample Loop	Tubing 0.18 mm (0.007") ID x 1/16" OD 0.30 mm (0.012") ID x 1/16" OD 0.30 mm (0.012") ID x 1/16" OD 0.51 mm (0.020") ID x 1/16" OD 0.51 mm (0.020") ID x 1/16" OD 0.51 mm (0.020") ID x 1/16" OD 0.76 mm (0.030") ID x 1/16" OD 0.76 mm (0.030") ID x 1/16" OD 0.76 mm (0.030") ID x 1/16" OD 1.0 mm (0.040") ID x 1/16" OD 1.0 mm (0.040") ID x 1/16" OD 2.0 mm (0.080") ID x 1/16" OD 2.0 mm (0.080") ID x 1/16" OD 0.00 mm (0.080") ID x 1/16" OD 0.20 mm (0.080") ID x 1/16" OD 0.20 mm (0.080") ID x 1/16" OD 0.20 mm (0.008") ID x 1/16" OD 0.20 mm (0.008") ID x 1/16" OD 0.20 mm (0.008") ID x 1/16" OD 0.25 mm (0.010") ID x 0.020" OD 0.30 mm (0.012") ID x 1/16" OD SUPER FLANGELESS" FITTING	55 Qty. ea. 5-pk
7755-020 7755-021 7755-022 7755-023 7755-024 7755-025 7755-026 7755-027 7755-028 7755-029 1876 1877 RHEODYNE (USE 7755-02 8020 8021 8022 8023 REPLACEM 6000-082 6000-083 6000-210	Volume 5 µL Sample Loop 10 µL Sample Loop 20 µL Sample Loop 50 µL Sample Loop 100 µL Sample Loop 200 µL Sample Loop 500 µL Sample Loop 1.0 mL Sample Loop 2.0 mL Sample Loop 2.0 mL Sample Loop 2.0 mL Sample Loop 3.0 mL Sample Loop 5.0 mL Sample Loop 5.0 mL Sample Loop 10 mL Sample Loop 20 mL Sample Loop 5.0 mL Sample Loop 5.0 mL Sample Loop 20 mL Sample Loop 5.0 mL Sample Loop 5.0 mL Sample Loop 5.0 mL Sample Loop 6.0 mL Sample Loop 7.0 mL Sample Loop 8.0 mL Sample Loop 9.0 mL Sample Loop 10 mL Sample Loop	Tubing 0.18 mm (0.007") ID x 1/16" OD 0.30 mm (0.012") ID x 1/16" OD 0.30 mm (0.012") ID x 1/16" OD 0.51 mm (0.020") ID x 1/16" OD 0.51 mm (0.020") ID x 1/16" OD 0.51 mm (0.020") ID x 1/16" OD 0.76 mm (0.030") ID x 1/16" OD 0.76 mm (0.030") ID x 1/16" OD 0.76 mm (0.030") ID x 1/16" OD 1.0 mm (0.040") ID x 1/16" OD 1.0 mm (0.040") ID x 1/16" OD 2.0 mm (0.080") ID x 1/16" OD 2.0 mm (0.080") ID x 1/16" OD 0.00 mm (0.080") ID x 1/16" OD 0.20 mm (0.080") ID x 1/16" OD 0.20 mm (0.080") ID x 1/16" OD 0.20 mm (0.008") ID x 1/16" OD 0.20 mm (0.008") ID x 1/16" OD 0.20 mm (0.008") ID x 1/16" OD 0.25 mm (0.010") ID x 1/16" OD 0.30 mm (0.012") ID x 1/16" OD 0.30 mm (0.012") ID x 1/16" OD 0.5UPER FLANGELESS" FITTING	55 Qty. ea. 5-pk 10-pk
7755-020 7755-021 7755-022 7755-023 7755-024 7755-025 7755-026 7755-027 7755-028 7755-029 1876 1877 RHEODYNE (USE 7755-02 8020 8021 8022 8023 REPLACEM 6000-082 6000-083 6000-210 6000-211	Volume 5 µL Sample Loop 10 µL Sample Loop 20 µL Sample Loop 50 µL Sample Loop 100 µL Sample Loop 200 µL Sample Loop 500 µL Sample Loop 1.0 mL Sample Loop 2.0 mL Sample Loop 5.0 mL Sample Loop 2.0 mL Sample Loop 20 mL Sample Loop 5 mL Sample Loop 10 mL Sample Loop 5 mL Sample Loop 5 mL Sample Loop 10 mL Sample Loop 5 mL Sample Loo	Tubing 0.18 mm (0.007") ID × 1/16" OD 0.30 mm (0.012") ID × 1/16" OD 0.30 mm (0.012") ID × 1/16" OD 0.51 mm (0.020") ID × 1/16" OD 0.51 mm (0.020") ID × 1/16" OD 0.51 mm (0.020") ID × 1/16" OD 0.76 mm (0.030") ID × 1/16" OD 0.76 mm (0.030") ID × 1/16" OD 0.76 mm (0.030") ID × 1/16" OD 1.0 mm (0.040") ID × 1/16" OD 1.0 mm (0.040") ID × 1/16" OD 2.0 mm (0.080") ID × 1/8" OD 2.0 mm (0.080") ID × 1/8" OD 0.00 mm (0.080") ID × 1/16" OD 0.20 mm (0.008") ID × 1/16" OD 0.25 mm (0.010") ID × 1/16" OD 0.30 mm (0.012") ID × 1/16" OD SUPER FLANGELESS" FITTING 7/16-24, for 1/8" OD loops* OD loops* OD loops 10-32, for 1/16" OD loops	55 Qty. ea. 5-pk 10-pk 10-pk
7755-020 7755-021 7755-022 7755-023 7755-024 7755-025 7755-026 7755-027 7755-028 7755-029 1876 1877 RHEODYNE (USE 7755-02 8020 8021 8022 8023 REPLACEM 6000-082 6000-083 6000-210 6000-211 P-331	Volume 5 µL Sample Loop 10 µL Sample Loop 20 µL Sample Loop 50 µL Sample Loop 100 µL Sample Loop 200 µL Sample Loop 500 µL Sample Loop 1.0 mL Sample Loop 2.0 mL Sample Loop 2.0 mL Sample Loop 2.0 mL Sample Loop 20 mL Sample Loop 20 mL Sample Loop 20 mL Sample Loop 20 mL Sample Loop 3 TAINLESS STEEL LO 4 TO 7755-029 FOR VO Volume 5 µL Sample Loop 10 µL Sample Loop 20 µL Sample Loop 50 µL Sample Loop 50 µL Sample Loop 10 µL Sample Loop 10 µL Sample Loop 50 µL Sample Loop	Tubing 0.18 mm (0.007") ID × 1/16" OD 0.30 mm (0.012") ID × 1/16" OD 0.30 mm (0.012") ID × 1/16" OD 0.51 mm (0.020") ID × 1/16" OD 0.51 mm (0.020") ID × 1/16" OD 0.51 mm (0.020") ID × 1/16" OD 0.76 mm (0.030") ID × 1/16" OD 0.76 mm (0.030") ID × 1/16" OD 0.76 mm (0.030") ID × 1/16" OD 1.0 mm (0.040") ID × 1/16" OD 1.0 mm (0.040") ID × 1/16" OD 2.0 mm (0.080") ID × 1/8" OD 2.0 mm (0.080") ID × 1/8" OD 0.00 mm (0.080") ID × 1/16" OD 0.00 mm (0.080") ID × 1/16" OD 0.20 mm (0.080") ID × 1/16" OD 0.20 mm (0.008") ID × 1/16" OD 0.25 mm (0.010") ID × 1/16" OD 0.30 mm (0.012") ID × 1/16" OD 0.30 mm (0.012") ID × 1/16" OD 0.10 loops* OD loops 10-32, for 1/16" OD loops PEEK", for 1876, 1877 loops	55 Qty. ea. 5-pk 10-pk 10-pk ea.
7755-020 7755-021 7755-022 7755-023 7755-024 7755-025 7755-026 7755-027 7755-028 7755-029 1876 1877 RHEODYNE (USE 7755-02 8020 8021 8022 8023 REPLACEM 6000-082 6000-083 6000-210 6000-211	Volume 5 µL Sample Loop 10 µL Sample Loop 20 µL Sample Loop 50 µL Sample Loop 100 µL Sample Loop 200 µL Sample Loop 500 µL Sample Loop 1.0 mL Sample Loop 2.0 mL Sample Loop 5.0 mL Sample Loop 2.0 mL Sample Loop 20 mL Sample Loop 5 mL Sample Loop 10 mL Sample Loop 5 mL Sample Loop 5 mL Sample Loop 10 mL Sample Loop 5 mL Sample Loo	Tubing 0.18 mm (0.007") ID x 1/16" OD 0.30 mm (0.012") ID x 1/16" OD 0.30 mm (0.012") ID x 1/16" OD 0.51 mm (0.020") ID x 1/16" OD 0.51 mm (0.020") ID x 1/16" OD 0.51 mm (0.020") ID x 1/16" OD 0.76 mm (0.030") ID x 1/16" OD 0.76 mm (0.030") ID x 1/16" OD 0.76 mm (0.030") ID x 1/16" OD 1.0 mm (0.040") ID x 1/16" OD 1.0 mm (0.040") ID x 1/16" OD 2.0 mm (0.080") ID x 1/16" OD 2.0 mm (0.080") ID x 1/16" OD 0.25 mm (0.080") ID x 1/16" OD 0.25 mm (0.080") ID x 1/16" OD 0.25 mm (0.008") ID x 1/16" OD 0.25 mm (0.008") ID x 1/16" OD 0.25 mm (0.010") ID x 1/16" OD 0.25 mm (0.010") ID x 1/16" OD 0.25 mm (0.010") ID x 1/16" OD 0.10 mm (0.012") ID x 1/16" OD 0.25 mm (0.010") ID x 1/16" OD 0.25 mm (0.010") ID x 1/16" OD 0.30 mm (0.012") ID x 1/16" OD	55 Qty. ea. 5-pk 10-pk 10-pk

P-654



Rheodyne® PEEK™ Sample Loops

Flexible PEEK sample loops are alternatives to stainless steel loops. PEEK loop ends are provided with clean, straight cuts for easy valve installation.

PEEK polymer is inert to almost all organic solvents and is biocompatible, giving PEEK loops added versatility. Rheodyne uses natural PEEK for these sample loops. Like metal loops, the size designations of PEEK loops are nominal. The actual volumes can differ from the theoretical designations because of the ± 0.05 mm (0.002") tolerance of the tubing bore. Accuracy of large PEEK loops (0.8 mm, 0.030" bore) is about $\pm 14\%$, intermediate loops (0.5 mm, 0.020") $\pm 21\%$, and small loops (0.2 mm, 0.007") ±65%.

PEEK loops are also supplied with unswaged RheFlex® fittings but do not require the same swaging precaution. The fittings can reposition along the loop tubing when the fitting reinserts in the ports for correct loop installation.

Please Note: Several of our PEEK Sample Loops can also be used with Valco/VICI® sample injectors. Please refer to the product lising on this page to aid selection.

PEEK Physical Strength Characteristics

Although PEEK material is compatible with virtually all solvents, there are many factors that affect burst pressure of PEEK tubing. Factors such as increases in inner diameter, temperature, exposure time, and concentration of organic solvents affect the degradation of PEEK. Other solvents such a THF, methylene chloride and DMSO cause PEEK tubing to swell while concentrated nitric acid and sulfuric acid weaken the tubing.

Valco/VICI-Compatible Stainless Steel Sample Loops

Valco-Compatible Stainless Steel Loops are manufactured by Upchurch Scientific®. These loops are designed for use with Valco valve models CW6 and EC6W. Each loop has burr-free, polished ends and is passivated and flushed with reagent-grade methanol to ensure cleanliness.

Loops made with 1/16" OD tubing come complete with F-287 SealTight $^{\text{\tiny{M}}}$ Fittings, which are pressure rated to 9,000 psi (620 bar)¹. The fittings and adapters that accompany the 1/8" OD sample loops are rated to $1,000 \text{ psi } (69 \text{ bar})^1$. Volumes are stated at $\pm 10\%$, with exact calibration services available. Each sample loop we calibrate is documented and supplied with a calibration certificate.

Upchurch Scientific manufactures many products designed as direct replacements for OEM components. Reference to these manufacturers does not imply their endorsement of our products





1.6 mm (0.062") ID x 1/8" OD 1.6 mm (0.062") ID x 1/8" OD 1.5 mple Loop 1.5 mm (0.080") ID x 1/8" OD 2.0 mm (0.080") ID x 1/8" OD 3.0 mm (0.080") ID x 1/8" OD 3.0 mm (0.080") ID x 1/8" OD 3.0 mm (0.080") ID x 1/16" OD 3.0 mm (0.007") ID x 1/16" OD 3.0 mm (0.010") ID x 1/16" OD 3.0 mm (0.010") ID x 1/16" OD 3.0 mm (0.010") ID x 1/16" OD 3.0 mm (0.0020") ID x 1/16" OD 3.0 mm (0.000") ID x 1/16" OD 3.				
Volume	BEEK LOC	NDS EOD 2725 2725;	INJECTORS	
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2.0 mm (0.080") D x 1/8" OD 2.0 mm (0.097") D x 1/16" OD 3.0 mm (0.0	3055-019	•	, ,	
2.0 mm (0.080") D x 1/8" OD	3055-023		, ,	
Valume Bore/Tubing Valco No.	3055-025		, , , , , , , , , , , , , , , , , , , ,	
Volume Bore/Tubing Valco No. /123-227 1 μL Sample Loop (model PR/EV750-100 only) internal groove (model PR/EV750-100 only) NA /755-015 2 μL Sample Loop (9725 only) internal groove (9725 only) NA /055-020 5.0 μL Sample Loop (9725 only) 0.18 mm (0.007") ID x 1/16" OD SL5CWPK /055-021 10 μL Sample Loop (9.25 mm (0.010") ID x 1/16" OD SL10WPK 9.25 mm (0.010") ID x 1/16" OD SL20WPK /055-022 20 μL Sample Loop (9.51 mm (0.020") ID x 1/16" OD SL50WPK 9.55 OD 1D SL50WPK /055-023 50 μL Sample Loop (9.51 mm (0.020") ID x 1/16" OD SL10WPK 9.055 OD 1D SL50WPK /055-024 100 μL Sample Loop (9.51 mm (0.030") ID x 1/16" OD NA 9.055 OD 1D SL50WPK /055-025 200 μL Sample Loop (9.76 mm (0.030") ID x 1/16" OD SL50WPK 9.055 OD 1D X SAMPLE LOOP (9.76 mm (0.030") ID x 1/16" OD SL50WPK /055-026 5.0 mL Sample Loop (9.76 mm (0.030") ID x 1/16" OD SL2KCWPK 9.055 OD 9L SAMPLE LOOP (9.76 mm (0.030") ID x 1/16" OD NA /055-029 5.0 mL Sample Loop (9.76 mm (0.030") ID x 1/16" OD NA 9.055 OD 9L SAMPLE LOOP (9.76 mm (0.030") ID x 1/16" OD NA /055-029 5.0 mL Sample Loop (9.76 mm (0.030") ID x 1/16" OD NA 9.055 OD 9L	PEEK LOC		, ,	INJECTORS
(model PR/EV750-100 only) 1755-015 2 μL Sample Loop (9725 only) 1055-020 5.0 μL Sample Loop 0.18 mm (0.007") ID x 1/16" OD SL5CWPK 1055-021 10 μL Sample Loop 0.25 mm (0.010") ID x 1/16" OD SL10WPK 1055-022 20 μL Sample Loop 0.25 mm (0.010") ID x 1/16" OD SL20WPK 1055-023 50 μL Sample Loop 0.51 mm (0.020") ID x 1/16" OD SL50WPK 1055-024 100 μL Sample Loop 0.51 mm (0.020") ID x 1/16" OD SL10WPK 1055-025 200 μL Sample Loop 0.51 mm (0.020") ID x 1/16" OD NA 1055-026 500 μL Sample Loop 0.76 mm (0.030") ID x 1/16" OD SL50WPK 1055-027 1.0 mL Sample Loop 0.76 mm (0.030") ID x 1/16" OD SL1KCWPK 1055-028 2.0 mL Sample Loop 0.76 mm (0.030") ID x 1/16" OD NA 1055-029 5.0 mL Sample Loop 0.76 mm (0.030") ID x 1/16" OD NA 1055-029 5.0 mL Sample Loop 0.76 mm (0.030") ID x 1/16" OD NA 1055-029 5.0 mL Sample Loop 0.76 mm (0.030") ID x 1/16" OD NA 1055-029 5.0 mL Sample Loop 0.76 mm (0.030") ID x 1/16" OD NA 1055-029 5.0 mL Sample Loop 0.76 mm (0.030") ID x 1/16" OD NA 1055-029 5.0 mL Sample Loop 0.76 mm (0.030") ID x 1/16" OD NA 1055-029 5.0 mL Sample Loop 0.76 mm (0.030") ID x 1/16" OD NA 1055-029 5.0 mL Sample Loop 0.76 mm (0.030") ID x 1/16" OD NA 1055-029 5.0 mL Sample Loop 0.76 mm (0.030") ID x 1/16" OD NA 1055-029 5.0 mL Sample Loop 0.76 mm (0.030") ID x 1/16" OD NA 1055-029 5.0 mL Sample Loop 0.76 mm (0.030") ID x 1/16" OD NA				
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1055-021 10 μL Sample Loop 0.25 mm (0.010") ID x 1/16" OD SL10WPK 0.055-022 20 μL Sample Loop 0.25 mm (0.010") ID x 1/16" OD SL20WPK 0.055-023 50 μL Sample Loop 0.51 mm (0.020") ID x 1/16" OD SL50WPK 0.055-024 100 μL Sample Loop 0.51 mm (0.020") ID x 1/16" OD SL50WPK 0.055-025 200 μL Sample Loop 0.51 mm (0.020") ID x 1/16" OD NA 0.055-026 500 μL Sample Loop 0.76 mm (0.030") ID x 1/16" OD SL50WPK 0.055-027 1.0 mL Sample Loop 0.76 mm (0.030") ID x 1/16" OD SL5WCWPK 0.055-028 2.0 mL Sample Loop 0.76 mm (0.030") ID x 1/16" OD SL5KCWPK 0.055-029 5.0 mL Sample Loop 0.76 mm (0.030") ID x 1/16" OD NA 0.76 mm (0.030") ID x 1/16" OD NA 0.055-033 10 mL Sample Loop 0.76 mm (0.030") ID x 1/16" OD NA 0.055-033 10 mL Sample Loop 0.76 mm (0.030") ID x 1/16" OD NA 0.055-033 10 mL Sample Loop 0.76 mm (0.030") ID x 1/16" OD NA 0.055-035 ID x 1/16" OD NA 0.056 mm (0.030") ID x 1/16" OD NA 0.056 mm	7755-015		internal groove	NA
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0.055-026 500 μL Sample Loop 0.76 mm (0.030") D x 1/16" OD SL500WPK	9055-024	100 μL Sample Loop	0.51 mm (0.020") ID x 1/16" OD	SL100WPK
1.0 mL Sample Loop 0.76 mm (0.030") D x 1/16" OD SL1KCWPK	9055-025	200 μL Sample Loop	0.51 mm (0.020") ID x 1/16" OD	NA
0.055-028 2.0 mL Sample Loop 0.76 mm (0.030") ID x 1/16" OD SL2KCWPK	9055-026	500 μL Sample Loop	0.76 mm (0.030") ID x 1/16" OD	SL500WPK
0.055-029 5.0 mL Sample Loop 0.76 mm (0.030") D x 1/16" OD NA	9055-027	1.0 mL Sample Loop	0.76 mm (0.030") ID x 1/16" OD	SL1KCWPK
0.055-033 10 mL Sample Loop 0.76 mm (0.030") ID x 1/16" OD NA	9055-028	2.0 mL Sample Loop	0.76 mm (0.030") ID x 1/16" OD	SL2KCWPK
PEEK LOOPS FOR 7725, 7725I, PR/EV700-100 Volume Bore 123-227 1 μL Sample Loop internal groove (model PR/EV700-100 only)	9055-029	5.0 mL Sample Loop	0.76 mm (0.030") ID x 1/16" OD	NA
Volume Bore 1123-227 1 μL Sample Loop internal groove (model PR/EV700-100 only)	9055-033	10 mL Sample Loop	0.76 mm (0.030") ID x 1/16" OD	NA
123-227 1 μL Sample Loop internal groove (model PR/EV700-100 only)	PEEK LOC	OPS FOR 7725, 7725I,	PR/EV700-100	
(model PR/EV700-100 only)		Volume	Bore	
755-015 2 μL Sample Loop internal groove	7123-227			
	7755-015	2 μL Sample Loop	internal groove	

7123-227	1 μL Sample Loop internal groove (model PR/EV700-100 only)
7755-015	2 μL Sample Loop internal groove (models 7725 and 7725i only)

	(models 7725 and 7725i only)			
REPLACEMENT RHEFLEX FITTINGS FOR PEEK LOOPS				
			Qty.	
6000-251	Ferrules, Natural PEEK,	for 1/16" OD loops	10-pk	
6000-254	Nut/Ferrule Sets, Natural PEEK, 10-32, for 1/16" OD loops		10-pk	
6000-078	Nut/Ferrule Set, Natur	ral PEEK, 5/16-24, for 1/8" OD loops	ea.	
6000-079	Ferrules, Natural PEEK,	for 1/8" OD loops	5-pk	
VALCO/VICI-COMPATIBLE STAINLESS STEEL LOOPS FOR C6W, EC6W INJECTORS			, EC6W INJECTORS	
	Volume	Tubing	Valco No.	
1750	5 μL Sample Loop	0.18 mm (0.007") ID x 1/16" OD	SL5CW	
1751	10 μL Sample Loop	0.25 mm (0.010") ID x 1/16" OD	SL10CW	
1752	15 μL Sample Loop	0.25 mm (0.010") ID x 1/16" OD	SL15CW	
1755	20 μL Sample Loop	0.51 mm (0.010") ID x 1/16" OD	SL20CW	
1758	25 μL Sample Loop	0.51 mm (0.010") ID x 1/16" OD	SL25CW	
1759	50 μL Sample Loop	0.51 mm (0.020") ID x 1/16" OD	SL50CW	
1762	100 μL Sample Loop	0.51 mm (0.020") ID x 1/16" OD	SL100CW	
1778	200 μL Sample Loop	0.76 mm (0.030") ID x 1/16" OD	NA	
1763	250 μL Sample Loop	0.76 mm (0.030") ID x 1/16" OD	SL250CW	
1764	500 μL Sample Loop	0.76 mm (0.030") ID x 1/16" OD	SL500CW	
1770	1 mL Sample Loop	0.76 mm (0.030") ID x 1/16" OD	SL1KCW	
1772	2 mL Sample Loop	1.02 mm (0.040") ID x 1/16" OD	SL2KCW	
1775	5 mL Sample Loop	2.03 mm (0.080") ID x 1/8" OD	SL5KCW	
1776	10 mL Sample Loop	2.03 mm (0.080") ID x 1/8" OD	SL10KCW	

¹ These pressure ratings reflect the performance of the fittings, not the port or valve in which they are used.