

SAMPLE LOOPS



VALCO • CHEMINERT® • RHEODYNE™

Sample loops are accurately sized for each valve type. However, with small volume loops, the tolerance on the ID of the tubing (± 0.001 "") can have a significant effect on the volume. Therefore loop volume and loop appearance may differ from batch to batch.

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PEEK LOOPS

- Wide range of volumes available
- Biocompatible

VICI Jour PEEK sample loops are made from striped color-coded PEEK tubing and PEEK fittings. PEEK is a mechanically strong, chemically inert polymer ideal for HPLC applications. Since our PEEK sample loops contain no metals or other extractable compounds, no foreign materials will be introduced into the system. Softener-free polyethylene caps are used to avoid contamination of the tubing.

PEEK sample loops are particularly well suited for separations involving proteins, peptides, nucleic acids or other samples of biological origin as well as in IC systems where metal traces may interact with ionic samples or release transition metals that may deactivate ion exchange columns.

PEEK hex-head nuts and PEEK ferrules provide reliable connections, and avoid twisting of the tube.

! DISCLAIMER

The maximum holding pressure for any type of connections involving tubing and a ferrule varies considerably with the tubing material the ferrule material, the clearance between tubing OD and ferrule ID, and the shape of the fitting detail.

t TECH TIP

The tighter ID tolerance of the tubing minimizes the tolerance of the loop volume.

➔ SEE ALSO

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SPECIFICATIONS

MATERIAL

Loops PEEK
 Nuts PEEK
 Ferrules PEEK
 Caps PE (Polyethylene)

TOLERANCES

±0.025 mm (.001")

* Recommended maximum permanent working pressure

PEEK loops

FOR CHEMINERT VALVES

Fit all Cheminert injection valves for 1/16" OD tubing (for example, C2).

Sample size	Pressure *		Product No.
	bar	psi	
NEW 1 µl	400	5800	JR-SLC-85-1
NEW 2 µl	400	5800	JR-SLC-85-2
NEW 3 µl	400	5800	JR-SLC-85-3
NEW 4 µl	400	5800	JR-SLC-85-4
5 µl	400	5800	JR-SLC-85-5
10 µl	400	5800	JR-SLC-85-10
20 µl	400	5800	JR-SLC-85-20
50 µl	400	5800	JR-SLC-85-50
100 µl	400	5800	JR-SLC-85-100
200 µl	240	3500	JR-SLC-85-200
250 µl	240	3500	JR-SLC-85-250

Sample size	Pressure *		Product No.
	bar	psi	
300 µl	240	3500	JR-SLC-85-300
500 µl	240	3500	JR-SLC-85-500
1 ml	240	3500	JR-SLC-85-1000



PEEK loops

FOR RHEODYNE VALVES

Fit all Rheodyne metal and metal-free valves.

Sample size	Pressure *		Product No.
	bar	psi	
NEW 1 µl	435	6300	JR-SLR-2190
NEW 2 µl	420	6100	JR-SLR-2191
NEW 3 µl	420	6100	JR-SLR-2192
NEW 4 µl	420	6100	JR-SLR-2193
5 µl	400	5800	JR-SLR-2194
10 µl	400	5800	JR-SLR-2196
20 µl	386	5600	JR-SLR-2195
30 µl	386	5600	JR-SLR-2200

Sample size	Pressure *		Product No.
	bar	psi	
40 µl	386	5600	JR-SLR-2201
50 µl	350	4500	JR-SLR-2202
100 µl	350	4500	JR-SLR-2204
200 µl	240	3500	JR-SLR-2206
250 µl	240	3500	JR-SLR-2207
500 µl	240	3500	JR-SLR-2210
1 ml	240	3500	JR-SLR-2222



PEEK loops

FOR VALCO VALVES

Fit all 1/16" Valco W and UW type valves.

Sample size	Pressure *		Product No.
	bar	psi	
NEW 1 µl	400	5800	JR-SLV-75-1
NEW 2 µl	400	5800	JR-SLV-75-2
NEW 3 µl	400	5800	JR-SLV-75-3
NEW 4 µl	400	5800	JR-SLV-75-4
5 µl	400	5800	JR-SLV-75-5
10 µl	400	5800	JR-SLV-75-10
20 µl	400	5800	JR-SLV-75-20
50 µl	400	5800	JR-SLV-75-50
100 µl	400	5800	JR-SLV-75-100

Sample size	Pressure *		Product No.
	bar	psi	
250 µl	240	3500	JR-SLV-75-250
500 µl	240	3500	JR-SLV-75-500
1 ml	240	3500	JR-SLV-75-1000



TECH TIPS

- See general information about PEEK loops on facing page.
- The ValvTool tightens nuts with tube or loop installed, providing easy access to many hard-to-reach areas. 102



OPTIONS

Other sample sizes are available on request. Please contact your distributor or VICI Jour directly.

SEE ALSO

Chemical resistance ..110
About PEEK113

Spare parts

FOR PEEK CHEMINERT, RHEODYNE, AND VALCO LOOPS

Sold in packages of 5.

		Product No.
PEEK nuts	for use with double ferrules, 1/16" hex head long, 10-32	JR-5510-5
PEEK ferrules	single ferrules, 1/16" (Use 2 per nut, as shown)	JR-5005-5



Stainless steel loops



SAMPLE LOOPS

STAINLESS STEEL LOOPS

- Wide range of volumes available
- Ultra high pressure resistance

VICI Jour stainless steel sample loops are made of high quality SS316. They are cut using an electrolytic cutting process, cleaned with ultrasound and high pressure steam to remove contaminants, dried, and capped with softener-free caps to avoid recontamination of the tubing.

All loops are supplied with stainless hex-head nuts and stainless ferrules for reliable connections.

SPECIFICATIONS

MATERIAL

Loops SS316
Nuts SS303
Ferrules SS316
Caps PE (Polyethylene)

TOLERANCES

±0.05 mm (.002")

PRESSURE RATING

≤ 1375 bar (≤ 20,000 psi)

Stainless steel loops

FOR CHEMINERT VALVES

Fit all Cheminert C1, C1CF, C2, C2V, C3, C52, C72H, and C72X type valves.

Sample size	Product No.
NEW 1 µl	JR-SLC-86-1
NEW 2 µl	JR-SLC-86-2
NEW 3 µl	JR-SLC-86-3
NEW 4 µl	JR-SLC-86-4
5 µl	JR-SLC-86-5
10 µl	JR-SLC-86-10
20 µl	JR-SLC-86-20
50 µl	JR-SLC-86-50
100 µl	JR-SLC-86-100
250 µl	JR-SLC-86-250
500 µl	JR-SLC-86-500
1 ml	JR-SLC-86-1000



Stainless steel loops

FOR VALCO VALVES

Fit all 1/16" Valco W and UW type valves.

Sample size	Product No.
5 µl	JR-SLV-76-5
10 µl	JR-SLV-76-10
20 µl	JR-SLV-76-20
50 µl	JR-SLV-76-50
100 µl	JR-SLV-76-100
250 µl	JR-SLV-76-250
500 µl	JR-SLV-76-500
1 ml	JR-SLV-76-1000



Spare parts FOR STAINLESS CHEMINERT AND VALCO LOOPS

Sold in packages of 5.

	Product No.
1/16" stainless nuts, 10-32	JR-ZN1-5
1/16" stainless ferrules	JR-ZR1S6-5



TECH TIPS AND OPTIONS

See facing page.



Stainless steel loops

FOR RHEODYNE VALVES

- Fit all Rheodyne valves
- Special loops for valve Model 7725

Sample size Product No.

5 µl	JR-SLR-111
10 µl	JR-SLR-112
20 µl	JR-SLR-113
50 µl	JR-SLR-114
100 µl	JR-SLR-115
200 µl	JR-SLR-116
500 µl	JR-SLR-117
1 ml	JR-SLR-118

Loops for Rheodyne valve 7725, 1/16"

3 µl	JR-SLR-110-77
5 µl	JR-SLR-111-77
10 µl	JR-SLR-112-77
20 µl	JR-SLR-113-77
50 µl	JR-SLR-114-77
100 µl	JR-SLR-115-77
200 µl	JR-SLR-116-77
500 µl	JR-SLR-117-77
1 ml	JR-SLR-118-77



TECH TIPS

- Not recommended for use with halides.
- We offer nuts in three lengths to facilitate wrench access on valves. For loops that will be replaced frequently, we recommend our longest nut – particularly when space is restricted. See long nuts. 37
- The ValvTool tightens nuts with tube or loop installed, providing easy access to many hard-to-reach areas. 102



OPTIONS

Other sample sizes are available on request. Please contact your distributor or VICI Jour directly.

SEE ALSO

About stainless steel. . 114

Spare parts

FOR STAINLESS RHEODYNE LOOPS

Sold in packages of 5.

Product No.

1/16" Rheodyne type stainless nuts	For valve 7725, long head	JR-57-5
	X-long	JR-58-5
Stainless ferrules	1/16"	JR-59-5
	2-step Rheodyne type, 1/16"	JR-60-5