

Removable fused silica adapters (FSR)

The FSR adapter is the only adapter recommended for use in valves. It consists of a liner which slides over the fused silica tubing and a ferrule which makes up on the liner. The polyimide liner has an enlarged diameter at one end which is captured by the nut, so the liner and the tube within it are removed as the nut is unscrewed from the valve. The 1/16" FSR adapter includes a special counter-bored 1/16" nut. The 1/32" FSR adapter uses standard Valco 1/32" nuts.

MORE INFORMATION

Fused silica
 Unions . pp 18-19, 58, 61
 Fittings 18-21
 A pin vise and drill index are useful for enlarging the inner diameters of the FS adapters.
 Pin vise and drill index 55

REPLACEMENT PARTS

Ferrules	<i>(package of 5)</i>	
1/32" Polyimide	ZF.5V-5	\$30
1/16" Polyimide	ZF1V-5	25
	<i>(package of 10)</i>	
1/16" PEEK	ZF1PK-10	33
Nuts	<i>(package of 10)</i>	
1/32" SS	ZN.5-10	29
<i>Special nuts for FSRs:</i>		
1/16" SS	ZCN1-10	30
1/16" SS long	LZCN1-10	45

100 µm	= .004"
150 µm	= .006"
0.25 mm	= .010"
0.50 mm	= .020"
0.75 mm	= .030"
1.0 mm	= .040"
1.5 mm	= .060"
2.0 mm	= .080"
4.6 mm	= .180"
6.0 mm	= .236"
6.4 mm	= .253"
7.0 mm	= .275"
10.0 mm	= .400"
27.0 mm	= 1.08"
1/32"	= 0.8 mm
1/16"	= 1.6 mm
1/8"	= 3.2 mm
1/4"	= 6.4 mm
3/8"	= 9.5 mm
1/2"	= 12.7 mm

Package of 5:

1/32"

Removable adapters	Tubing OD:	
	< 0.25 mm	FSR.25-5
	0.30 ≤ 0.35 mm	FSR.3-5
	0.35 ≤ 0.40 mm	FSR.4-5
	0.40 ≤ 0.50 mm	FSR.5-5

1/32"

Replacement liners	Tubing OD:	
	< 0.25 mm	FSL.25-5
	0.25 ≤ 0.40 mm	FSL.4-5
	0.40 ≤ 0.50 mm	FSL.5-5

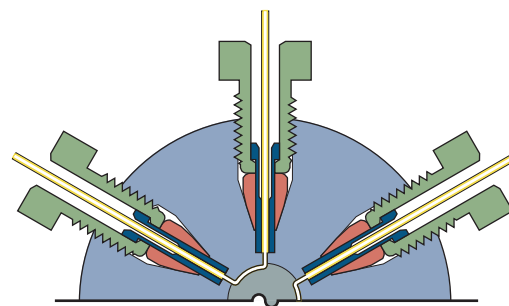
Package of 5:

1/16"

Removable adapters	Tubing OD:		
	< 0.15 mm	-	FS1R.15PK-5
	< 0.20 mm	FS1R.2-5	FS1R.2PK-5
	0.20 ≤ 0.40 mm	FS1R.4-5	FS1R.4PK-5
	0.40 ≤ 0.50 mm	FS1R.5-5	FS1R.5PK-5
	0.50 ≤ 0.80 mm	FS1R.8-5	FS1R.8PK-5
	0.90 ≤ 1.0 mm	FS1R1.0-5	FS1R1.0PK-5

1/16"

Replacement liners	Tubing OD:		
	< 0.15 mm	-	FS1L.15PK-5
	< 0.20 mm	FS1L.2-5	FS1L.2PK-5
	0.20 ≤ 0.40 mm	FS1L.4-5	FS1L.4PK-5
	0.40 ≤ 0.50 mm	FS1L.5-5	FS1L.5PK-5
	0.50 ≤ 0.80 mm	FS1L.8-5	FS1L.8PK-5
	0.90 ≤ 1.0 mm	FS1L1.0-5	FS1L1.0PK-5



Removable FSR adapters in a valve