

## FM Series Metal Hose

### Testing

Every Swagelok FM series hose assembly is inboard helium leak tested to a maximum leak rate of  $1 \times 10^{-5}$  std cm<sup>3</sup>/s.

For additional testing, see **Testing**, page 103.

### Cleaning and Packaging

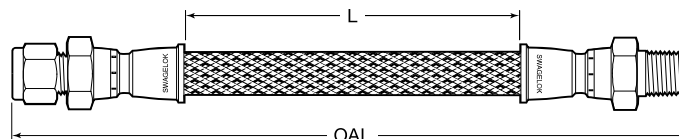
Swagelok FM series hose components are cleaned in accordance with Swagelok *Standard Cleaning and Packaging (SC-10)* catalog, MS-06-62. Each hose is bagged individually and boxed; longer hoses are coiled, bagged, and boxed.

**⚠ Do not subject flexible metal hose to pressure surges, shock, or pulsations, where the peak pressure is greater than 50 % of the working pressure rating.**

## Ordering Information and Dimensions

### Standard Length Hose Assemblies

Select an ordering number.



### Swagelok Tube Fitting to Male NPT End Connection



Nominal Hose Size in.	Tube Fitting Size in.	NPT Size in.	Overall Length OAL in. (cm)	Ordering Number	Dimensions		
					Live Length L in. (cm)	Minimum Inside Diameter in. (mm)	Maximum Outside Dimension in. (mm)
1/4	1/4	1/4	12.0 (30.5)	SS-FM4SL4PM4-12	8.26 (21.0)	0.19 (4.8)	0.95 (24.1)
			36.0 (91.4)	SS-FM4SL4PM4-36	32.3 (82.0)		
3/8	3/8	3/8	18.0 (45.7)	SS-FM6SL6PM6-18	14.2 (36.1)	0.28 (7.1)	1.09 (27.7)
			36.0 (91.4)	SS-FM6SL6PM6-36	32.2 (81.8)		
1/2	1/2	1/2	18.0 (45.7)	SS-FM8SL8PM8-18	13.6 (34.5)	0.41 (10.4)	1.23 (31.2)
			48.0 (122)	SS-FM8SL8PM8-48	43.6 (111)		
3/4	3/4	3/4	18.0 (45.7)	SS-FM12SL12PM12-18	13.4 (34.0)	0.66 (16.0)	1.74 (44.2)

### Swagelok Tube Fitting End Connections



Nominal Hose Size in.	Tube Fitting Size in.	Overall Length OAL in. (cm)	Ordering Number	Dimensions		
				Live Length L in. (cm)	Minimum Inside Diameter in. (mm)	Maximum Outside Dimension in. (mm)
1/4	1/4	12.0 (30.5)	SS-FM4SL4SL4-12	8.12 (20.6)	0.19 (4.8)	0.95 (24.1)
		36.0 (91.4)	SS-FM4SL4SL4-36	32.1 (81.5)		
3/8	3/8	18.0 (45.7)	SS-FM6SL6SL6-18	14.0 (35.6)	0.28 (7.1)	1.09 (27.7)
		36.0 (91.4)	SS-FM6SL6SL6-36	32.0 (81.3)		
1/2	1/2	18.0 (45.7)	SS-FM8SL8SL8-18	13.5 (34.3)	0.41 (10.4)	1.23 (31.2)
		48.0 (122)	SS-FM8SL8SL8-48	43.5 (110)		
3/4	3/4	18.0 (45.7)	SS-FM12SL12SL12-18	13.3 (33.8)	0.66 (16.0)	1.74 (44.2)
		48.0 (122)	SS-FM12SL12SL12-48	43.3 (110)		
1	1	24.0 (61.0)	SS-FM16SL16SL16-24	18.7 (47.5)	0.88 (22.4)	2.03 (51.6)