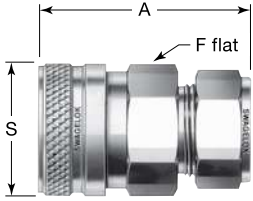


## Ordering Information and Dimensions, QF Series

Dimensions are for reference only and are subject to change.



### Insertion Depth

To calculate overall length in the coupled position, subtract the insertion depth from any overall stem and body combination length.

Series	Depth in. (mm)
QF4	0.78 (19.8)
QF8	0.81 (20.6)
QF12	0.90 (22.9)
QF16	0.94 (23.9)

### Bodies

#### Swagelok Tube Fitting



Fitting Size	Basic Ordering Number	Series	Dimensions			
			A	F in.	S	Min Orifice
<b>Dimensions, in. (mm)</b>						
1/4	-QF4-B-400	QF4	1.80 (45.7)	11/16	0.87 (22.1)	0.19 (4.8)
3/8	-QF4-B-600	QF4	1.81 (46.0)	11/16	0.87 (22.1)	0.28 (7.1)
	-QF8-B-600	QF8	2.17 (55.1)	1 1/16	1.30 (33.0)	
1/2	-QF8-B-810	QF8	2.23 (56.6)	1 1/16	1.30 (33.0)	0.47 (11.9)
3/4	-QF12-B-1210	QF12	2.45 (62.2)	1 1/2	1.66 (42.2)	0.62 (15.7)
1	-QF16-B-1610	QF16	2.75 (69.9)	1 11/16	1.88 (47.8)	0.88 (22.4)
<b>Dimensions, mm (in.)</b>						
6	-QF4-B-6M0	QF4	45.7 (1.80)	11/16	22.1 (0.87)	4.8 (0.19)

Dimensions shown with Swagelok tube fitting nuts finger-tight.

#### Female Pipe Threads



Pipe Size in.	Basic Ordering Number	Series	Dimensions, in. (mm)			
			A	F	S	Min Orifice
<b>NPT</b>						
1/4	-QF4-B-4PF	QF4	1.50 (38.1)	3/4	0.87 (22.1)	0.38 (9.7)
3/8	-QF4-B-6PF	QF4	1.63 (41.4)	7/8	0.87 (22.1)	0.38 (9.7)
	-QF8-B-6PF	QF8	1.73 (43.9)	1 1/16	1.30 (33.0)	0.59 (15.0)
1/2	-QF8-B-8PF	QF8	1.73 (43.9)	1 1/16	1.30 (33.0)	0.63 (16.0)
3/4	-QF12-B-12PF	QF12	1.89 (48.0)	1 1/2	1.66 (42.2)	0.88 (22.4)
1	-QF16-B-16PF	QF16	2.12 (53.8)	1 11/16	1.88 (47.8)	1.06 (26.9)
<b>ISO/BSP Tapered</b>						
1/4	-QF4-B-4FT	QF4	1.50 (38.1)	3/4	0.87 (22.1)	0.38 (9.7)
1/2	-QF8-B-8FT	QF8	1.73 (43.9)	1 1/16	1.30 (33.0)	0.63 (16.0)
<b>ISO/BSP Parallel</b>						
1/4	-QF4-B-4FS	QF4	1.50 (38.1)	3/4	0.87 (22.1)	0.38 (9.7)
1/2	-QF8-B-8FS	QF8	1.73 (43.9)	1 1/16	1.30 (33.0)	0.63 (16.0)

## Ordering Information and Dimensions, QF Series

Dimensions are for reference only and are subject to change.

### Stems

#### Male Pipe Threads



Pipe Size in.	Basic Ordering Number	Series	Flow Coefficient (C <sub>v</sub> )	Dimensions, in. (mm)		
				A	F	Min Orifice
<b>NPT</b>						
1/4	-QF4-S-4PM	QF4	1.7	1.59 (40.4)	9/16	0.24 (6.1)
3/8	-QF4-S-6PM	QF4	1.7	1.59 (40.4)	11/16	0.24 (6.1)
	-QF8-S-6PM	QF8	7.1	1.65 (41.9)	7/8	0.41 (10.4)
1/2	-QF8-S-8PM	QF8	11.5	1.84 (46.7)	7/8	0.50 (12.7)
3/4	-QF12-S-12PM	QF12	23.6	2.03 (51.6)	1 1/16	0.72 (18.3)
1	-QF16-S-16PM	QF16	39.0	2.35 (59.7)	1 3/8	0.88 (22.4)
<b>ISO/BSP Tapered</b>						
1/4	-QF4-S-4MT	QF4	1.7	1.59 (40.4)	9/16	0.24 (6.1)
1/2	-QF8-S-8MT	QF8	11.5	1.84 (46.7)	7/8	0.50 (12.7)
1	-QF16-S-16MT	QF16	39.0	2.35 (59.7)	1 3/8	0.88 (22.4)
<b>ISO/BSP Parallel<sup>①</sup></b>						
1/4	-QF4-S-4MS	QF4	1.7	1.60 (40.6)	3/4	0.24 (6.1)
1/2	-QF8-S-8MS	QF8	11.5	1.82 (46.2)	1 1/16	0.50 (12.7)

① Include a female 60° cone profile. They accept a 60° male cone with female swivel nut.

### Bodies

#### Male Pipe Threads



Pipe Size in.	Basic Ordering Number	Series	Dimensions, in. (mm)			
			A	F	S	Min Orifice
<b>NPT</b>						
1/4	-QF4-B-4PM	QF4	1.57 (39.9)	11/16	0.87 (22.1)	0.25 (6.4)
3/8	-QF4-B-6PM	QF4	1.57 (39.9)	11/16	0.87 (22.1)	0.37 (9.4)
	-QF8-B-6PM	QF8	1.83 (46.5)	1 1/16	1.30 (33.0)	0.41 (10.4)
1/2	-QF8-B-8PM	QF8	2.08 (52.8)	1 1/16	1.30 (33.0)	0.50 (12.7)
3/4	-QF12-B-12PM	QF12	2.33 (59.2)	1 1/2	1.66 (42.2)	0.72 (18.3)
1	-QF16-B-16PM	QF16	2.65 (67.3)	1 11/16	1.88 (47.8)	0.88 (22.4)
<b>ISO/BSP Tapered</b>						
1/4	-QF4-B-4MT	QF4	1.57 (39.9)	11/16	0.87 (22.1)	0.24 (6.1)
1/2	-QF8-B-8MT	QF8	2.08 (52.8)	1 1/16	1.30 (33.0)	0.50 (12.7)
1	-QF16-B-16MT	QF16	2.65 (67.3)	1 11/16	1.88 (47.8)	0.88 (22.4)
<b>ISO/BSP Parallel<sup>①</sup></b>						
1/4	-QF4-B-4MS	QF4	1.80 (45.7)	3/4	0.87 (22.1)	0.24 (6.1)
1/2	-QF8-B-8MS	QF8	2.08 (52.8)	1 1/16	1.30 (33.0)	0.47 (11.9)

① Include a female 60° cone profile. They accept a 60° male cone with female swivel nut.

## Options, QF Series

### Stem and Body Protectors

Stem and body protectors guard against damage and contaminants when bodies and stems are uncoupled.

**Protectors are not pressure-containing devices; for pressure-retaining protectors, contact your authorized Swagelok representative.**

### Materials

Component	Material
Protector	316 SS or plated brass C36000
Lanyard	302 SS
Lanyard clamps	304 SS

#### Stem Protector



#### Body Protector



### Ordering Information

To order, select a basic ordering number and add **SS** for stainless steel or **B** for brass.

Series	Basic Ordering Number	
	Stem Protector	Body Protector
QF4	-QF4-SP	-QF4-BP
QF8	-QF8-SP	-QF8-BP
QF12	-QF12-SP	-QF12-BP
QF16	-QF16-SP	-QF16-BP

Example: **SS-QF4-SP**