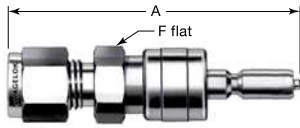


Ordering Information and Dimensions, QC Series

Dimensions are for reference only and are subject to change.

Select a basic ordering number and add a material designator.

Fluorocarbon FKM O-rings are standard for 316 SS bodies and DESO stems; for other materials, add an O-ring material designator to the ordering number.



Material	Designator
316 SS	SS
Brass	B

Example: **SS-QC4-S-200**

O-Ring Material	Designator
Ethylene propylene	EP
Perfluorocarbon FFKM with silicone-based lubricant	KR
Perfluorocarbon FFKM with PTFE-based lubricant	KZ

Example **SS-QC4-B-200EP**

Stems

Swagelok Tube Fitting



Fitting Size	Basic Ordering Numbers		Series	Flow Coefficient (C _v)			Dimensions		
	SESO	DESO		SESO	DESO	Full Flow	A		F, in.
							SESO	DESO	
Dimensions, in. (mm)									
1/8	-QC4-S-200	-QC4-D-200 ^①	QC4	0.08	0.08	0.08	2.32 (58.9)	2.77 (70.4)	5/8 ^①
1/4	-QC4-S-400	-QC4-D-400	QC4	0.3	0.2	0.4	2.36 (59.9)	2.42 (61.5)	5/8
3/8	-QC6-S-600	-QC6-D-600	QC6	1.0	0.5	1.5	2.52 (64.0)	2.64 (67.1)	3/4
1/2	-QC8-S-810	-QC8-D-810	QC8	2.4	1.5	3.3	2.96 (75.2)	3.16 (80.3)	15/16
Dimensions, mm (in.)									
6	-QC4-S-6M0	-QC4-D-6M0	QC4	0.3	0.2	0.4	59.9 (2.36)	61.5 (2.42)	5/8
10	-QC6-S-10M0	-QC6-D-10M0	QC6	1.0	0.5	1.5	67.3 (2.65)	70.4 (2.77)	3/4
12	-QC8-S-12M0	-QC8-D-12M0	QC8	2.4	1.5	3.3	75.2 (2.96)	80.3 (3.16)	15/16

Dimensions shown with Swagelok tube fitting nuts finger-tight.

^① -QC4-D-200 is a two-piece assembly.

Male Pipe Threads



Pipe Size in.	Basic Ordering Numbers		Series	Flow Coefficient (C _v)			Dimensions, in. (mm)		
	SESO	DESO		SESO	DESO	Full Flow	A		F
							SESO	DESO	
NPT									
1/8	-QC4-S-2PM	-QC4-D-2PM	QC4	0.3	0.2	0.4	2.07 (52.6)	2.13 (54.1)	5/8
1/4	-QC4-S-4PM	-QC4-D-4PM	QC4	0.3	0.2	0.4	2.22 (56.4)	2.28 (57.9)	5/8
	-QC6-S-4PM	-QC6-D-4PM	QC6	0.9	0.5	1.5	2.32 (58.9)	2.44 (61.9)	3/4
3/8	-QC6-S-6PM	-QC6-D-6PM	QC6	0.8	0.5	1.6	2.35 (59.7)	2.47 (62.7)	3/4
1/2	-QC8-S-8PM	-QC8-D-8PM	QC8	2.0	1.3	3.1	2.84 (72.1)	3.04 (77.2)	15/16
ISO/BSP Tapered									
1/4	-QC4-S-4MT	-QC4-D-4MT	QC4	0.3	0.2	0.4	2.22 (56.4)	2.28 (57.9)	5/8
3/8	-QC6-S-6MT	-QC6-D-6MT	QC6	0.8	0.5	1.6	2.35 (59.7)	2.47 (62.7)	3/4
1/2	-QC8-S-8MT	-QC8-D-8MT	QC8	2.0	1.3	3.1	2.84 (72.1)	3.04 (77.2)	15/16

Female Pipe Threads



Pipe Size in.	Basic Ordering Numbers		Series	Flow Coefficient (C _v)			Dimensions, in. (mm)		
	SESO	DESO		SESO	DESO	Full Flow	A		F
							SESO	DESO	
NPT									
1/8	-QC4-S-2PF	-QC4-D-2PF	QC4	0.3	0.2	0.4	2.01 (51.1)	2.07 (52.6)	5/8
1/4	-QC4-S-4PF	-QC4-D-4PF	QC4	0.3	0.2	0.4	2.26 (57.4)	2.32 (58.9)	3/4
	-QC6-S-4PF	-QC6-D-4PF	QC6	0.9	0.5	1.5	2.35 (59.7)	2.47 (62.7)	3/4
3/8	-QC6-S-6PF	-QC6-D-6PF	QC6	0.8	0.5	1.6	2.35 (59.7)	2.47 (62.7)	7/8
1/2	-QC8-S-8PF	-QC8-D-8PF	QC8	2.0	1.3	3.1	2.82 (71.6)	3.02 (76.7)	1 1/16
ISO/BSP Tapered									
1/4	-QC4-S-4FT	-QC4-D-4FT	QC4	0.3	0.2	0.4	2.26 (57.4)	2.32 (58.9)	3/4
3/8	-QC6-S-6FT	-QC6-D-6FT	QC6	0.8	0.5	1.6	2.35 (59.7)	2.47 (62.7)	7/8
1/2	-QC8-S-8FT	-QC8-D-8FT	QC8	2.0	1.3	3.1	2.82 (71.6)	3.02 (76.7)	1 1/16

See next page for bodies.

Ordering Information and Dimensions, QC Series

Dimensions are for reference only and are subject to change.



Bodies

Swagelok Tube Fitting



Fitting Size	Basic Ordering Number	Series	Dimensions	
			A	H
Dimensions, in. (mm)				
1/8	-QC4-B-200	QC4	2.26 (57.4)	0.91 (23.1)
1/4	-QC4-B-400	QC4	2.30 (58.4)	0.91 (23.1)
3/8	-QC6-B-600	QC6	2.58 (65.5)	1.03 (26.2)
1/2	-QC8-B-810	QC8	3.09 (78.5)	1.21 (30.7)
Dimensions, mm (in.)				
6	-QC4-B-6M0	QC4	58.4 (2.30)	23.1 (0.91)
10	-QC6-B-10M0	QC6	68.1 (2.68)	26.2 (1.03)
12	-QC8-B-12M0	QC8	78.5 (3.09)	30.7 (1.21)

Dimensions shown with Swagelok tube fitting nuts finger-tight.

Male Pipe Threads



Pipe Size in.	Basic Ordering Number	Series	Dimensions, in. (mm)	
			A	H
NPT				
1/8	-QC4-B-2PM	QC4	2.01 (51.1)	0.91 (23.1)
1/4	-QC4-B-4PM	QC4	2.16 (54.9)	0.91 (23.1)
	-QC6-B-4PM	QC6	2.38 (60.5)	1.03 (26.2)
3/8	-QC6-B-6PM	QC6	2.38 (60.5)	1.03 (26.2)
1/2	-QC8-B-8PM	QC8	2.97 (75.4)	1.21 (30.7)
ISO/BSP Tapered				
1/4	-QC4-B-4MT	QC4	2.16 (54.9)	0.91 (23.1)
3/8	-QC6-B-6MT	QC6	2.38 (60.5)	1.03 (26.2)
1/2	-QC8-B-8MT	QC8	2.97 (75.4)	1.21 (30.7)

Female Pipe Threads



Pipe Size in.	Basic Ordering Number	Series	Dimensions, in. (mm)	
			A	H
NPT				
1/8	-QC4-B-2PF	QC4	2.16 (54.9)	0.91 (23.1)
1/4	-QC4-B-4PF	QC4	2.42 (61.5)	0.91 (23.1)
	-QC6-B-4PF	QC6	2.54 (64.5)	1.03 (26.2)
3/8	-QC6-B-6PF	QC6	2.57 (65.3)	1.03 (26.2)
1/2	-QC8-B-8PF	QC8	3.22 (81.8)	1.21 (30.7)
ISO/BSP Tapered				
1/4	-QC4-B-4FT	QC4	2.42 (61.5)	0.91 (23.1)
3/8	-QC6-B-6FT	QC6	2.57 (65.3)	1.03 (26.2)
1/2	-QC8-B-8FT	QC8	3.22 (81.8)	1.21 (30.7)

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)	
	SESO	DESO
QC4	1.09 (27.7)	1.15 (29.2)
QC6	1.18 (30.0)	1.30 (33.0)
QC8	1.48 (37.6)	1.68 (42.7)

Full-Flow Quick-Connects

A full-flow QC series quick-connect consists of a SESO stem and a full-flow body.

To order a SESO stem, select a basic ordering number and add a material designator.

Example: **SS-QC4-S-200**

To order a full-flow body, select a basic ordering number and add a material designator and **MB**.

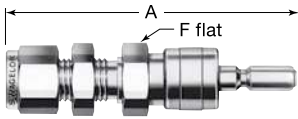
Example: **SS-QC4-B-200MB**

Ordering Information and Dimensions, QC Series

Dimensions are for reference only and are subject to change.

Bulkhead Stems

Swagelok Tube Fitting



Fitting Size	Basic Ordering Numbers		Series	Dimensions				
	SESO	DESO		A		F	Max Panel Thickness	Min Panel Hole Dia
				SESO	DESO			
Dimensions, in. (mm)								
1/4	-QC4-S1-400	-QC4-D1-400	QC4	2.74 (69.6)	2.80 (71.1)	5/8	0.25 (6.4)	15/32 (11.9)
3/8	-QC6-S1-600	-QC6-D1-600	QC6	2.92 (74.2)	3.07 (78.0)	3/4	0.27 (6.9)	19/32 (15.1)
1/2	-QC8-S1-810	-QC8-D1-810	QC8	3.43 (87.1)	3.63 (92.2)	15/16	0.26 (6.6)	25/32 (19.8)
Dimensions, mm (in.)								
6	-QC4-S1-6M0	-QC4-D1-6M0	QC4	69.6 (2.74)	71.1 (2.80)	16	6.4 (0.25)	11.5 (29/64)
10	-QC6-S1-10M0	-QC6-D1-10M0	QC6	77.7 (3.06)	78.7 (3.10)	22	6.9 (0.27)	16.7 (21/32)
12	-QC8-S1-12M0	-QC8-D1-12M0	QC8	87.1 (3.43)	92.2 (3.63)	24	6.6 (0.26)	19.6 (49/64)

Dimensions shown with Swagelok tube fitting nuts finger-tight.

Bulkhead Bodies

Swagelok Tube Fitting



Fitting Size	Basic Ordering Number	Series	Dimensions			
			A	H	Max Panel Thickness	Min Panel Hole Dia
Dimensions, in. (mm)						
1/4	-QC4-B1-400	QC4	2.67 (67.8)	0.91 (23.1)	0.25 (6.4)	15/32 (11.9)
3/8	-QC6-B1-600	QC6	2.98 (75.7)	1.03 (26.2)	0.27 (6.9)	19/32 (15.1)
1/2	-QC8-B1-810	QC8	3.56 (90.4)	1.21 (30.7)	0.26 (6.6)	25/32 (19.8)
Dimensions, mm (in.)						
6	-QC4-B1-6M0	QC4	67.8 (2.67)	23.1 (0.91)	6.4 (0.25)	11.9 (15/32)
10	-QC6-B1-10M0	QC6	75.9 (2.99)	26.2 (1.03)	6.9 (0.27)	16.7 (21/32)
12	-QC8-B1-12M0	QC8	90.4 (3.56)	30.7 (1.21)	6.6 (0.26)	19.6 (49/64)

Dimensions shown with Swagelok tube fitting nuts finger-tight.

Options, QC 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

Ordering Information

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

Series	Basic Ordering Numbers	
	Stem Protector	Body Protector
QC4	-QC4-SP	-QC4-BP
QC6	-QC6-SP	-QC6-BP
QC8	-QC8-SP	-QC8-BP

Example: **SS-QC4-SP**

Keyed Protectors

To order a keyed protector, add a key designator from the table on page 8 to the ordering number.

Example: **SS-QC4-SPK1**

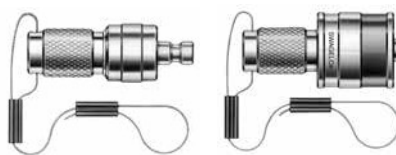
Stem Protectors



Standard

Keyed

Body Protectors



Standard

Keyed