

Quick-Connects

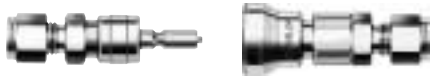


QC, QF, QM, and QTM Series

- No twisting, turning, or wrenching necessary
- Single-end shutoff, double-end shutoff, and full-flow models

Contents

Instrumentation Quick-Connects
 QC Series 3



PTFE-Sealed Quick-Connects
 QTM Series 9



Full-Flow Quick-Connects
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General Information

Spillage

Spillage is the amount of system fluid that escapes when a quick-connect is uncoupled (double-end shutoff [DESO] only).

Air Inclusion

Air inclusion is the amount of air trapped between the body and stem that enters the system when a quick-connect is coupled (DESO only).

Flow Coefficient (C_v)

C_v is an average value and may vary $\pm 10\%$. C_v is based on like end connections on stem and body. For unlike end connections, average the two C_v values.

Coupling

Any quick-connect stem will fit any quick-connect body of the same series and size.

Examples: Any QC4 stem will fit any QC4 body.
 Any QC8 stem will fit any QC8 body.

Overall Length

- To calculate overall length in the coupled position, subtract the insertion depth from any overall stem and body combination length.
- Dimensions are shown with Swagelok® tube fitting nuts finger-tight.

End Connections

Additional end connections—such as ISO parallel and tapered thread, AN thread, pipe weld—are available. Where these end connections are not listed, a tube adapter can be used to create a two-piece assembly. For more information on tube adapters, see the Swagelok *Gaugeable Tube Fittings and Adapter Fittings* catalog, MS-01-140.



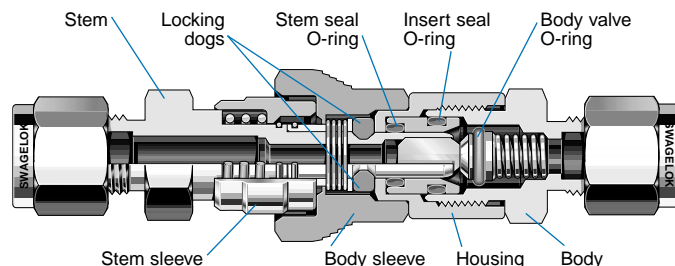
Instrumentation Quick-Connects QC Series

Features

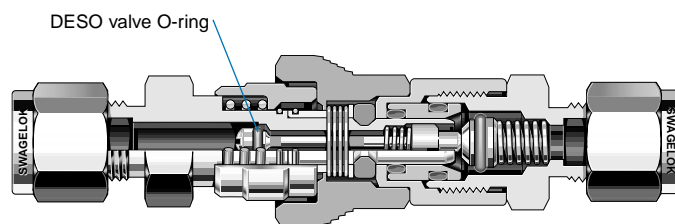
- Redesigned stem insert requires just one O-ring seal, yet improves O-ring containment.
- New-design stems and bodies interchange with old-design stems and bodies.
- Locking dog mechanism with large contact area retains stem.
- Push-to-connect coupling enables quick, easy operation.
- Wide variety of options, including keyed quick-connects, are available.
- Heavy-duty sleeve shields open end of body.



Single-End Shutoff (SES)



Double-End Shutoff (DESO)—Red Stem Sleeve



← Flow direction →

Materials of Construction

Component	Material	
	316 SS	Brass
<i>Body, housing, stem</i>	316 SS	Brass C36000
<i>Body valve, body insert, DESO valve, DESO retainer</i>		Brass C36000
<i>SES stem insert</i>		Brass C26000
<i>O-rings</i>	Fluorocarbon FKM	Buna N
<i>Springs</i>	316 SS	
<i>Snap rings</i>	316 SS	
<i>Body sleeve</i>	316 SS powdered metal	Brass C36000
<i>DESO stem sleeve</i>	Polyurethane enamel-coated 316 SS	Polyurethane enamel-coated brass C36000
<i>SES stem sleeve</i>	316 SS	Brass C36000
<i>Locking dogs</i>	Xylan®-coated 316 SS powdered metal	
<i>Lubricants</i>	Silicone- and PTFE-based	

Wetted components listed in *italics*.
Other lubricants available.

Pressure-Temperature Ratings

Temperature °F (°C)	316 SS with Fluorocarbon FKM O-rings			Brass with Buna N O-rings		
	QC4	QC6	QC8	QC4	QC6	QC8
	Pressure Rating, coupled, psig (bar)					
70 (20)	3000 (206)	1500 (103)	750 (51.6)	2000 (137)	1000 (68.9)	500 (34.4)
250 (121) ^① 400 (204) ^②	250 (17.2)					
Pressure Rating, uncoupled, psig (bar)						
70 (20)	250 (17.2)					
Pressure Rating, when coupling and uncoupling, psig (bar)						
70 (20)	250 (17.2)					

① For brass with Buna N O-rings.
② For 316 SS with fluorocarbon FKM O-rings.

Spillage and Air Inclusion

Series	Spillage	Air Inclusion
QC4	0.3 cm ³	0.3 cm ³
QC6	1.0 cm ³	1.0 cm ³
QC8	3.0 cm ³	3.0 cm ³

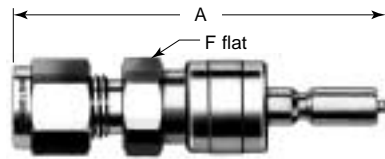
Maximum Flow Rate






U.S. gal/min (L/min) water at 70°F (20°C)

QC4	QC6	QC8
4 (15)	6 (22)	10 (37)

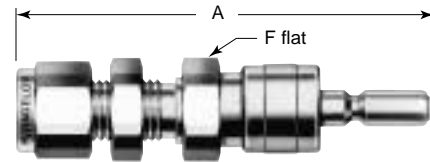
Ordering Information and Dimensions, QC Series


Stems



End Connection		Basic Ordering Number		C _v			A		
Type	Size in.	SESO (Stem has no valve; remains open when uncoupled)	DESO (Stem has valve; shuts off when uncoupled)	SESO	DESO	Full Flow	SESO in. (mm)	DESO in. (mm)	F in.
Swagelok tube fitting 	1/8	-QC4-S-200	-QC4-D-200 ^①	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	0.3	0.2	0.4	2.36 (59.9)	2.42 (61.5)	5/8
	3/8	-QC6-S-600	-QC6-D-600	1.0	0.5	1.5	2.52 (64.0)	2.64 (67.1)	3/4
	1/2	-QC8-S-810	-QC8-D-810	2.4	1.5	3.3	2.96 (75.2)	3.16 (80.3)	15/16
	6 mm	-QC4-S-6M0	-QC4-D-6M0	0.3	0.2	0.4	2.36 (59.9)	2.42 (61.5)	5/8
	10 mm	-QC6-S-10M0	-QC6-D-10M0	1.0	0.5	1.5	2.65 (67.3)	2.77 (70.4)	3/4
	12 mm	-QC8-S-12M0	-QC8-D-12M0	2.4	1.5	3.3	2.96 (75.2)	3.16 (80.3)	15/16
Male NPT 	1/8	-QC4-S-2PM	-QC4-D-2PM	0.3	0.2	0.4	2.07 (52.6)	2.13 (54.1)	5/8
	1/4	-QC4-S-4PM	-QC4-D-4PM	0.3	0.2	0.4	2.22 (56.4)	2.28 (57.9)	5/8
	1/4	-QC6-S-4PM	-QC6-D-4PM	0.9	0.5	1.5	2.32 (58.9)	2.44 (61.9)	3/4
	3/8	-QC6-S-6PM	-QC6-D-6PM	0.8	0.5	1.6	2.35 (59.7)	2.47 (62.7)	3/4
	1/2	-QC8-S-8PM	-QC8-D-8PM	2.0	1.3	3.1	2.84 (72.1)	3.04 (77.2)	15/16
Male ISO tapered 	1/4	-QC4-S-4MT	-QC4-D-4MT	0.3	0.2	0.4	2.22 (56.4)	2.28 (57.9)	5/8
	3/8	-QC6-S-6MT	-QC6-D-6MT	0.8	0.5	1.6	2.35 (59.7)	2.47 (62.7)	3/4
	1/2	-QC8-S-8MT	-QC8-D-8MT	2.0	1.3	3.1	2.84 (72.1)	3.04 (77.2)	15/16
Female NPT 	1/8	-QC4-S-2PF	-QC4-D-2PF	0.3	0.2	0.4	2.01 (51.1)	2.07 (52.6)	5/8
	1/4	-QC4-S-4PF	-QC4-D-4PF	0.3	0.2	0.4	2.26 (57.4)	2.32 (58.9)	3/4
	1/4	-QC6-S-4PF	-QC6-D-4PF	0.9	0.5	1.5	2.35 (59.7)	2.47 (62.7)	3/4
	3/8	-QC6-S-6PF	-QC6-D-6PF	0.8	0.5	1.6	2.35 (59.7)	2.47 (62.7)	7/8
	1/2	-QC8-S-8PF	-QC8-D-8PF	2.0	1.3	3.1	2.82 (71.6)	3.02 (76.7)	1 1/16
Female ISO tapered 	1/4	-QC4-S-4FT	-QC4-D-4FT	0.3	0.2	0.4	2.26 (57.4)	2.32 (58.9)	3/4
	3/8	-QC6-S-6FT	-QC6-D-6FT	0.8	0.5	1.6	2.35 (59.7)	2.47 (62.7)	7/8
	1/2	-QC8-S-8FT	-QC8-D-8FT	2.0	1.3	3.1	2.82 (71.6)	3.02 (76.7)	1 1/16

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



End Connection		Basic Ordering Number		A			Max Panel Thickness in. (mm)	Min Panel Hole Dia in. (mm)
Type	Size in.	SESO (Stem has no valve; remains open when uncoupled)	DESO (Stem has valve; shuts off when uncoupled)	SESO in. (mm)	DESO in. (mm)	F in.		
Swagelok bulkhead tube fitting 	1/4	-QC4-S1-400	-QC4-D1-400	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	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	3.43 (87.1)	3.63 (92.2)	15/16	0.26 (6.6)	25/32 (19.8)
	6 mm	-QC4-S1-6M0	-QC4-D1-6M0	2.74 (69.6)	2.80 (71.1)	16 mm	0.25 (6.4)	29/64 (11.5)
	10 mm	-QC6-S1-10M0	-QC6-D1-10M0	3.06 (77.7)	3.10 (78.7)	22 mm	0.27 (6.9)	21/32 (16.7)
	12 mm	-QC8-S1-12M0	-QC8-D1-12M0	3.43 (87.1)	3.63 (92.2)	24 mm	0.26 (6.6)	49/64 (19.4)

How to Order

Select a basic ordering number and add a material designator.

Material	Designator
316 SS	SS
Brass	B

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

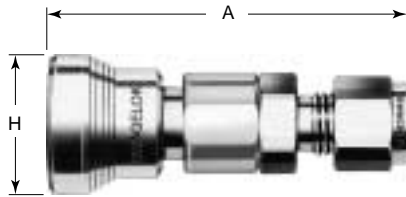
Other end connections may be available from the factory as two-piece components. Contact your authorized Swagelok sales and service representative for information.






Insertion Depth

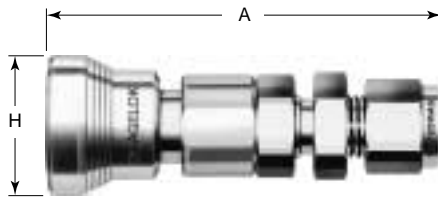
Series	Depth, in. (mm)	
	SESO	DESO
QC4	1.09 (27.7)	1.15 (29.2)
QC6	1.18 (30.0)	1.30 (33.0)
QC8	1.48 (37.6)	1.68 (42.7)


Dimensions are for reference only and are subject to change.

Bodies



End Connection		Basic Ordering Number	A in. (mm)	H in. (mm)
Type	Size in.			
Swagelok tube fitting 	1/8	-QC4-B-200	2.26 (57.4)	0.91 (23.1)
	1/4	-QC4-B-400	2.30 (58.4)	0.91 (23.1)
	3/8	-QC6-B-600	2.58 (65.5)	1.03 (26.2)
	1/2	-QC8-B-810	3.09 (78.5)	1.21 (30.7)
	6 mm	-QC4-B-6M0	2.30 (58.4)	0.91 (23.1)
	10 mm	-QC6-B-10M0	2.68 (68.1)	1.03 (26.2)
12 mm	-QC8-B-12M0	3.09 (78.5)	1.21 (30.7)	
Male NPT 	1/8	-QC4-B-2PM	2.01 (51.1)	0.91 (23.1)
	1/4	-QC4-B-4PM	2.16 (54.9)	0.91 (23.1)
	1/4	-QC6-B-4PM	2.38 (60.5)	1.03 (26.2)
	3/8	-QC6-B-6PM	2.38 (60.5)	1.03 (26.2)
	1/2	-QC8-B-8PM	2.97 (75.4)	1.21 (30.7)
Male ISO tapered 	1/4	-QC4-B-4MT	2.16 (54.9)	0.91 (23.1)
	3/8	-QC6-B-6MT	2.38 (60.5)	1.03 (26.2)
	1/2	-QC8-B-8MT	2.97 (75.4)	1.21 (30.7)
Female NPT 	1/8	-QC4-B-2PF	2.16 (54.9)	0.91 (23.1)
	1/4	-QC4-B-4PF	2.42 (61.5)	0.91 (23.1)
	1/4	-QC6-B-4PF	2.54 (64.5)	1.03 (26.2)
	3/8	-QC6-B-6PF	2.57 (65.3)	1.03 (26.2)
	1/2	-QC8-B-8PF	3.22 (81.8)	1.21 (30.7)
Female ISO tapered 	1/4	-QC4-B-4FT	2.42 (61.5)	0.91 (23.1)
	3/8	-QC6-B-6FT	2.57 (65.3)	1.03 (26.2)
	1/2	-QC8-B-8FT	3.22 (81.8)	1.21 (30.7)



End Connection		Basic Ordering Number	A in. (mm)	H in. (mm)	Max Panel Thickness in. (mm)	Min Panel Hole Dia in. (mm)
Type	Size in.					
Swagelok bulkhead tube fitting 	1/4	-QC4-B1-400	2.67 (67.8)	0.91 (23.1)	0.25 (6.4)	15/32 (11.9)
	3/8	-QC6-B1-600	2.98 (75.7)	1.03 (26.2)	0.27 (6.9)	19/32 (15.1)
	1/2	-QC8-B1-810	3.56 (90.4)	1.21 (30.7)	0.26 (6.6)	25/32 (19.8)
	6 mm	-QC4-B1-6M0	2.67 (67.8)	0.91 (23.1)	0.25 (6.4)	15/32 (11.9)
	10 mm	-QC6-B1-10M0	2.99 (75.9)	1.03 (26.2)	0.27 (6.9)	21/32 (16.7)
	12 mm	-QC8-B1-12M0	3.56 (90.4)	1.21 (30.7)	0.26 (6.6)	49/64 (19.4)

How to Order a Full-Flow Quick-Connect

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**

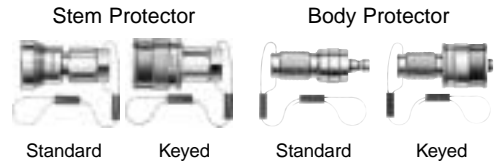
Dimensions are for reference only and are subject to change.

Options

For keyed combinations see page 12.

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

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

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

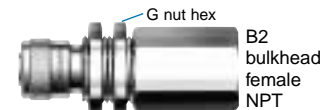
Example: **SS-QC4-SP**

Keyed Protectors

To order a keyed protector, add a key designator from the table on page 12 to the ordering number.

Example: **SS-QC4-SPK1**

Bulkhead Bodies with Two Panel Nuts



Dimensions

Series	G in.	Max Panel Thickness in. (mm)	Min Panel Hole Dia in. (mm)
QC4	7/8	0.20 (5.1)	23/32 (18.3)
QC6	15/16	0.25 (6.4)	27/32 (21.4)
QC8	1 1/8	0.31 (7.9)	1 1/32 (26.2)

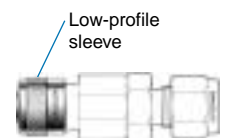
To order, insert **B2** in place of **B** in the ordering number. Example: **SS-QC4-B2-400**

B2 style bulkhead body is available only with low-profile IS sleeve.

Low-Profile Sleeve

This option is available for use in areas where space is limited. To order, add **IS** to the ordering number.

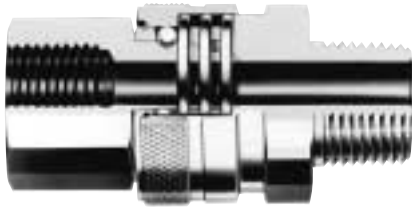
Example: **SS-QC4-B-400IS**



Full Flow Quick-Connects QF Series

Features

- Compact coupling offers full flow without orifice restrictions.
- O-ring is easily replaced without disassembling body.



← Bidirectional flow →

Materials of Construction

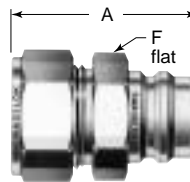
Component	Material	
	316 SS	Brass
<i>Body, stem</i>	316 SS	Brass C36000
Spring, snap ring, locking balls	316 SS	
Sleeve	316 SS	Brass C36000
O-ring	Fluorocarbon FKM	Buna N
Lubricants	Silicone- and PTFE-based	

Wetted components listed in *italics*.

Other O-ring materials and lubricants available.

Ordering Information and Dimensions

Stems










How to Order

Select a basic ordering number and add a material designator.

Material	Designator
316 SS	SS
Brass	B

Example: **SS-QF4-S-400**

End Connection		Basic Ordering Number	C _v	A in. (mm)	F in.	Min Orifice in. (mm)
Type	Size, in.					
Swagelok tube fitting 	1/4	-QF4-S-400	2.2	1.77 (45.0)	9/16	0.19 (4.8)
	3/8	-QF4-S-600	2.8	1.77 (45.0)	11/16	0.24 (6.1)
	3/8	-QF8-S-600	2.9	1.88 (47.8)	7/8	0.28 (7.1)
	1/2	-QF8-S-810	13.0	1.99 (50.5)	7/8	0.41 (10.4)
	3/4	-QF12-S-1210	26.0	2.15 (54.6)	1 1/16	0.62 (15.7)
	1	-QF16-S-1610	45.0	2.45 (62.2)	1 3/8	0.88 (22.4)
	6 mm	-QF4-S-6M0	2.2	1.77 (45.0)	9/16	0.19 (4.8)
Male NPT 	1/4	-QF4-S-4PM	1.7	1.59 (40.4)	9/16	0.24 (6.1)
	3/8	-QF4-S-6PM	1.7	1.59 (40.4)	11/16	0.24 (6.1)
	3/8	-QF8-S-6PM	7.1	1.65 (41.9)	7/8	0.41 (10.4)
	1/2	-QF8-S-8PM	11.5	1.84 (46.7)	7/8	0.50 (12.7)
	3/4	-QF12-S-12PM	23.6	2.03 (51.6)	1 1/16	0.72 (18.3)
1	-QF16-S-16PM	39.0	2.35 (59.7)	1 3/8	0.88 (22.4)	
Male ISO tapered 	1/4	-QF4-S-4MT	1.7	1.59 (40.4)	9/16	0.24 (6.1)
	1/2	-QF8-S-8MT	11.5	1.84 (46.7)	7/8	0.50 (12.7)
	1	-QF16-S-16MT	39.0	2.35 (59.7)	1 3/8	0.88 (22.4)
Male ISO parallel ^① 	1/4	-QF4-S-4MS	1.7	1.60 (40.6)	3/4	0.24 (6.1)
	1/2	-QF8-S-8MS	11.5	1.82 (46.2)	1 1/16	0.50 (12.7)
Female NPT 	1/4	-QF4-S-4PF	1.7	1.60 (40.6)	3/4	0.24 (6.1)
	3/8	-QF4-S-6PF	1.7	1.67 (42.4)	7/8	0.24 (6.1)
	3/8	-QF8-S-6PF	7.1	1.59 (40.4)	1 1/16	0.47 (11.9)
	1/2	-QF8-S-8PF	11.5	1.82 (46.2)	1 1/16	0.50 (12.7)
	3/4	-QF12-S-12PF	23.6	2.08 (52.8)	1 5/16	0.72 (18.3)
1	-QF16-S-16PF	39.0	2.49 (63.2)	1 5/8	0.88 (22.4)	
Female ISO parallel 	1/4	-QF4-S-4FS	1.7	1.60 (40.6)	3/4	0.24 (6.1)
	1/2	-QF8-S-8FS	11.5	1.82 (46.2)	1 1/16	0.50 (12.7)
Female ISO tapered 	1/4	-QF4-S-4FT	1.7	1.60 (40.6)	3/4	0.24 (6.1)
	1/2	-QF8-S-8FT	11.5	1.82 (46.2)	1 1/16	0.50 (12.7)

Dimensions are for reference only and are subject to change.

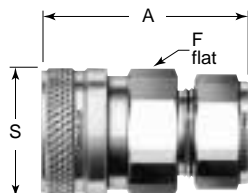
① Include a female 60° cone profile. They accept a 60° male cone with female swivel nut.








Pressure-Temperature Ratings^①

Temperature °F (°C)	316 SS with Fluorocarbon FKM O-rings				Brass with Buna N O-rings			
	QF4	QF8	QF12	QF16	QF4	QF8	QF12	QF16
	Pressure Rating, coupled, psig (bar)							
70 (20)	6000 (413)	4000 (275)	4000 (275)	3000 (206)	2000 (137)			
250 (121) ^② 400 (204) ^③	100 (6.8)							

- ① Pressure ratings may be limited by end connections.
- ② For brass with Buna N O-rings.
- ③ For 316 SS with fluorocarbon FKM O-rings.

Bodies



End Connection		Basic Ordering Number	A in. (mm)	F in.	S in. (mm)	Min Orifice in. (mm)
Type	Size, in.					
Swagelok tube fitting 	1/4	-QF4-B-400	1.80 (45.7)	11/16	0.87 (22.1)	0.19 (4.8)
	3/8	-QF4-B-600	1.81 (46.0)	11/16	0.87 (22.1)	0.28 (7.1)
	3/8	-QF8-B-600	2.17 (55.1)	1 1/16	1.30 (33.0)	0.28 (7.1)
	1/2	-QF8-B-810	2.23 (56.6)	1 1/16	1.30 (33.0)	0.47 (11.9)
	3/4	-QF12-B-1210	2.45 (62.2)	1 1/2	1.66 (42.2)	0.62 (15.7)
	1 6 mm	-QF16-B-1610 -QF4-B-6M0	2.75 (69.9) 1.80 (45.7)	1 11/16 11/16	1.88 (47.8) 0.87 (22.1)	0.88 (22.4) 0.19 (4.8)
Male NPT 	1/4	-QF4-B-4PM	1.57 (39.9)	11/16	0.87 (22.1)	0.25 (6.4)
	3/8	-QF4-B-6PM	1.57 (39.9)	11/16	0.87 (22.1)	0.37 (9.4)
	3/8	-QF8-B-6PM	1.83 (46.5)	1 1/16	1.30 (33.0)	0.41 (10.4)
	1/2	-QF8-B-8PM	2.08 (52.8)	1 1/16	1.30 (33.0)	0.50 (12.7)
	3/4 1	-QF12-B-12PM -QF16-B-16PM	2.33 (59.2) 2.65 (67.3)	1 1/2 1 11/16	1.66 (42.2) 1.88 (47.8)	0.72 (18.3) 0.88 (22.4)
Male ISO tapered 	1/4	-QF4-B-4MT	1.57 (39.9)	11/16	0.87 (22.1)	0.24 (6.1)
	1/2	-QF8-B-8MT	2.08 (52.8)	1 1/16	1.30 (33.0)	0.50 (12.7)
	1	-QF16-B-16MT	2.65 (67.3)	1 11/16	1.88 (47.8)	0.88 (22.4)
Male ISO parallel ^① 	1/4	-QF4-B-4MS	1.80 (45.7)	3/4	0.87 (22.1)	0.24 (6.1)
	1/2	-QF8-B-8MS	2.08 (52.8)	1 11/16	1.30 (33.0)	0.47 (11.9)
Female NPT 	1/4	-QF4-B-4PF	1.50 (38.1)	3/4	0.87 (22.1)	0.38 (9.7)
	3/8	-QF4-B-6PF	1.63 (41.4)	7/8	0.87 (22.1)	0.38 (9.7)
	3/8	-QF8-B-6PF	1.73 (43.9)	1 1/16	1.30 (33.0)	0.59 (15.0)
	1/2	-QF8-B-8PF	1.73 (43.9)	1 1/16	1.30 (33.0)	0.63 (16.0)
	3/4 1	-QF12-B-12PF -QF16-B-16PF	1.89 (48.0) 2.12 (53.8)	1 1/2 1 11/16	1.66 (42.2) 1.88 (47.8)	0.88 (22.4) 1.06 (26.9)
Female ISO parallel 	1/4	-QF4-B-4FS	1.50 (38.1)	3/4	0.87 (22.1)	0.38 (9.7)
	1/2	-QF8-B-8FS	1.73 (43.9)	1 11/16	1.30 (33.0)	0.63 (16.0)
Female ISO tapered 	1/4	-QF4-B-4FT	1.50 (38.1)	3/4	0.87 (22.1)	0.38 (9.7)
	1/2	-QF8-B-8FT	1.73 (43.9)	1 11/16	1.30 (33.0)	0.63 (16.0)

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

Insertion Depth

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

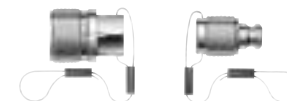
Warning: Do not uncouple under pressure.

Options

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.

Stem Protector Body Protector



Materials

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

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

To order, select a basic ordering number and add **SS** for 316 stainless steel or **B** for brass.

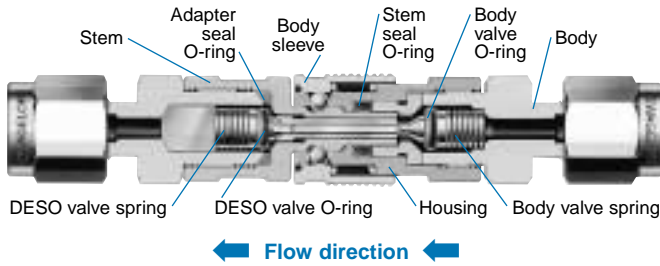
Example: **SS-QF4-SP**

Dimensions are for reference only and are subject to change.

Miniature Quick-Connects QM Series

Features

- Lightweight, compact design offers fingertip operation.
- Low dead volume reduces spillage and air inclusion.



Spillage and Air Inclusion

0.1 cm³

Maximum Flow Rate

1 U.S. gal/min
(3.8 L/min) water
at 70°F (20°C)

Insertion Depth

Depth, in. (mm)	
SESO	DESO
0.47 (11.9)	0.53 (13.5)

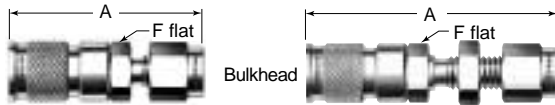
Ordering Information and Dimensions

Stems



End Connection		Basic Ordering Number		C _v			A		
Type	Size, in.	SESO (Stem has no valve; remains open when uncoupled)	DESO (Stem has valve; shuts off when uncoupled)	SESO	DESO	Full Flow	SESO in. (mm)	DESO in. (mm)	F in.
Swagelok tube fitting (SESO)	1/16	-QM2-S-100	-QM2-D-100	0.06	0.05	0.06	1.18 (30.0)	1.76 (44.7)	7/16
	1/8	-QM2-S-200	-QM2-D-200	0.06	0.05	0.06	1.29 (32.8)	1.87 (47.5)	7/16
Male NPT (SESO)	1/16	-QM2-S-1PM	-QM2-D-1PM	0.06	0.05	0.06	1.03 (26.2)	1.61 (40.9)	7/16
	1/8	-QM2-S-2PM	-QM2-D-2PM	0.06	0.05	0.06	1.03 (26.2)	1.61 (40.9)	7/16
Female NPT (SESO)	1/16	-QM2-S-1PF	-QM2-D-1PF	0.06	0.05	0.06	1.03 (26.2)	1.61 (40.9)	7/16
	1/8	-QM2-S-2PF	-QM2-D-2PF	0.06	0.05	0.06	1.03 (26.2)	1.81 (46.0)	9/16

Bodies



End Connection		Basic Ordering Number	A in. (mm)	F in.
Type	Size, in.			
Swagelok tube fitting	1/16	-QM2-B-100	1.50 (38.1)	7/16
	1/8	-QM2-B-200	1.70 (43.2)	7/16
Male NPT	1/16	-QM2-B-1PM	1.42 (36.1)	7/16
	1/8	-QM2-B-2PM	1.44 (36.6)	7/16
Female NPT	1/16	-QM2-B-1PF	1.43 (36.3)	7/16
	1/8	-QM2-B-2PF	1.62 (41.1)	9/16
Swagelok bulkhead ^① tube fitting	1/8	-QM2-B1-200	2.09 (53.1)	7/16

① 1/4 in. maximum panel thickness; 21/64 in. panel hole drill size.

Materials of Construction

Component	Material	
	316 SS	Brass
<i>Body, body insert, DESO adapter, stem, body valve, DESO valve, housing</i>	316 SS	Brass C36000
<i>SESO stem insert, valve stop</i>		Brass C26000
<i>DESO stem fin, springs</i>	316 SS	
<i>O-rings</i>	Fluorocarbon FKM	Buna N
<i>Sleeve</i>	316 SS	Brass C36000
<i>Locking balls, snap rings</i>	316 SS	
<i>Lubricants</i>	Silicone- and PTFE-based	

Wetted components listed in *italics*.

Other O-ring materials and lubricants available.

How to Order

Select a basic ordering number and a material designator.
Example: **SS-QM2-S-100**

Material	Designator
316 SS	SS
Brass	B

How to Order a Full-Flow Quick-Connect

A full-flow QM 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-QM2-S-200**

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

Example:

SS-QM2-B-200MB

Pressure-Temperature Ratings

Temperature °F (°C)	316 SS with Fluorocarbon FKM O-rings	Brass with Buna N O-rings
	Pressure Rating, coupled, psig (bar)	
70 (20)	4000 (275)	2000 (137)
250 (121) ^① 400 (204) ^②	100 (6.8)	
Pressure Rating, uncoupled, psig (bar)		
70 (20)	100 (6.8)	
Pressure Rating, when coupling and uncoupling, psig (bar)		
70 (20)	100 (6.8)	

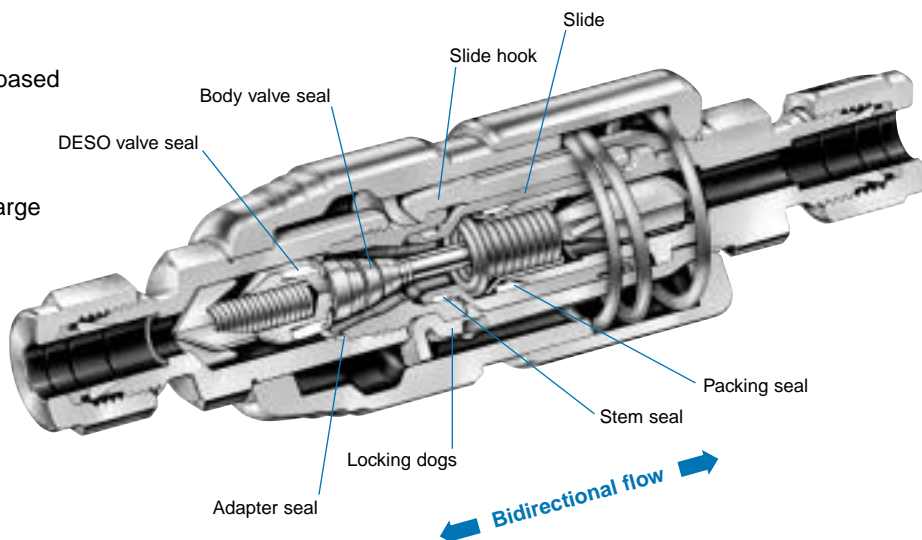
① For brass with Buna N O-rings.

② For 316 SS with fluorocarbon FKM O-rings.

PTFE-Sealed Quick-Connects QTM Series

Features

- Product qualification tests are based on ANSI B93.51M.
- Flush valve design reduces air inclusion and spillage.
- Locking dog mechanism with large contact area retains stem.
- Seals are recessed for protection.
- Keyed option is available.
- Push-to-connect design enables quick, simple operation.



Materials of Construction

Component	Material	
	316 SS	Alloy 400
Body	<i>Xylan-coated</i> 316 SS	<i>Xylan-coated</i> alloy R-405
Slide, stem, stem adapter, body valve, DESO valve	316 SS	Alloy R-405
Packing gland, body bolt, body valve cap, DESO valve cap, DESO stem fins		Alloy 400/R-405
Eyelet, body insert, DESO valve post		—
Snap rings		Alloy X-750
Body fin (QTM4 only)	PTFE-coated 316 SS powdered metal	—
Springs	316 SS and Elgiloy®	Alloy X-750 and Elgiloy
Packing seal, stem seal, adapter seal	Dyneon™ TFM™ 1600	
Body valve seal, DESO valve seal	Virgin PTFE	
Packing backup ring	Filled PTFE	
Locking dogs	316 SS or CF8M	M-35-1
Rear sleeve, front sleeve	316 SS	Alloy R-405
Slide hooks		Alloy 400/R-405
Lubricants	PTFE-based	

Wetted components listed in *italics*.

Pressure-Temperature Ratings^①

Temperature °F (°C)	316 SS			Alloy 400
	QTM2	QTM4	QTM8	QTM2
	Pressure Rating, coupled, psig (bar)			
0 to 120 (-17 to 48)	4500 (310)	3200 (220)		3200 (220)
Pressure Rating, uncoupled, psig (bar)				
0 to 120 (-17 to 48)	1000 (68.9)			1000 (68.9)
Pressure Rating, when coupling and uncoupling, psig (bar)				
70 (20)	250 (17.2)	100 (6.8)	50 (3.4)	250 (17.2)

① Pressure ratings may be limited by end connections.

Spillage and Air Inclusion

Series	Spillage	Air Inclusion
QTM2	0.1 cm ³	0.1 cm ³
QTM4	0.2 cm ³	0.4 cm ³
QTM8	1.0 cm ³	2.0 cm ³

Maximum Flow Rate

U.S. gal/min (L/min) water at 70°F (20°C)

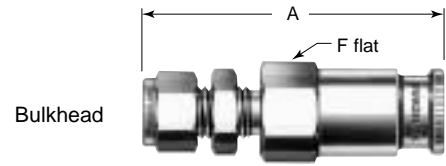
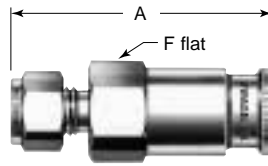
QTM2	QTM4	QTM8
15 (56)	35 (130)	50 (180)

Insertion Depth

Series	Depth, in. (mm)
QTM2	1.26 (32.1)
QTM4	0.95 (24.0)
QTM8	1.15 (29.1)









Ordering Information and Dimensions, QTM Series

Stems




How to Order

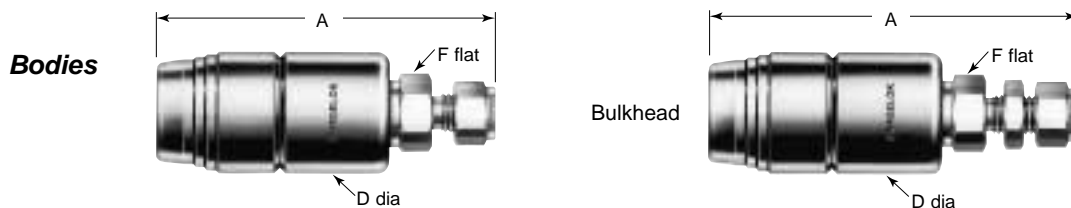
Select an ordering number.







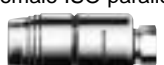

End Connection		Ordering Number		C _v		A in. (mm)	F in.
Type	Size in.	SESO (Stem has no valve; remains open when uncoupled)	DESO (Stem has valve; shuts off when uncoupled)	SESO	DESO		
Swagelok tube fitting 	1/4	SS-QTM2-S-400 ^①	SS-QTM2-D-400 ^①	0.7	0.6	2.02 (51.3)	5/8
	1/4	SS-QTM4-S-400	SS-QTM4-D-400	0.9	0.8	2.61 (66.3)	15/16
	3/8	SS-QTM2-S-600	SS-QTM2-D-600	0.9	0.8	2.08 (52.8)	11/16
	3/8	SS-QTM4-S-600	SS-QTM4-D-600	1.7	1.6	2.67 (67.8)	15/16
	1/2	SS-QTM8-S-810	SS-QTM8-D-810	4.2	3.1	3.06 (77.7)	1 5/16
	3/4	SS-QTM8-S-1210	SS-QTM8-D-1210	6.7	6.5	3.06 (77.7)	1 5/16
	1	SS-QTM8-S-1610	SS-QTM8-D-1610	9.0	7.8	3.27 (83.1)	1 3/8
	6 mm	SS-QTM2-S-6M0 ^①	SS-QTM2-D-6M0 ^①	0.7	0.6	2.02 (51.3)	16 mm
	6 mm	SS-QTM4-S-6M0	SS-QTM4-D-6M0	0.9	0.8	2.61 (66.3)	24 mm
	8 mm	SS-QTM2-S-8M0	SS-QTM2-D-8M0	0.9	0.8	2.09 (53.1)	11/16
	10 mm	SS-QTM4-S-10M0	SS-QTM4-D-10M0	1.7	1.6	2.68 (68.1)	24 mm
	12 mm	SS-QTM8-S-12M0	SS-QTM8-D-12M0	4.2	3.1	3.06 (77.7)	35 mm
Male NPT 	1/4	SS-QTM2-S-4PM ^①	SS-QTM2-D-4PM ^①	0.2	0.2	1.91 (48.5)	5/8
	1/4	SS-QTM4-S-4PM	SS-QTM4-D-4PM	1.4	1.4	2.46 (62.5)	15/16
	3/8	SS-QTM2-S-6PM	SS-QTM2-D-6PM	0.7	0.6	2.04 (51.8)	3/4
	3/8	SS-QTM4-S-6PM	SS-QTM4-D-6PM	1.8	1.7	2.46 (62.5)	15/16
	1/2	SS-QTM8-S-8PM	SS-QTM8-D-8PM	5.1	4.4	2.78 (70.6)	1 5/16
	3/4	SS-QTM8-S-12PM	SS-QTM8-D-12PM	8.5	7.8	2.78 (70.6)	1 5/16
Male ISO tapered 	1/4	SS-QTM2-S-4MT	SS-QTM2-D-4MT	0.2	0.2	1.91 (48.5)	5/8
	1/4	SS-QTM4-S-4MT	SS-QTM4-D-4MT	1.4	1.4	2.46 (62.5)	15/16
	1/2	SS-QTM8-S-8MT	SS-QTM8-D-8MT	5.1	4.4	2.78 (70.6)	1 5/16
Male ISO parallel ^③ 	1/8	SS-QTM2-S-2MS	SS-QTM2-D-2MS	0.5	0.4	1.73 (43.9)	5/8
	1/4	SS-QTM2-S-4MS	SS-QTM2-D-4MS	0.6	0.6	2.04 (51.8)	3/4
	1/4	SS-QTM4-S-4MS	SS-QTM4-D-4MS	1.2	1.2	2.48 (63.0)	15/16
	1/2	SS-QTM8-S-8MS	SS-QTM8-D-8MS	4.8	3.9	2.78 (70.6)	1 5/16
Male JIC 37° flare 	1/4	SS-QTM4-S-4AN	SS-QTM4-D-4AN	②	②	2.48 (63.0)	15/16
	1/2	SS-QTM8-S-8AN	SS-QTM8-D-8AN	4.2	2.7	2.78 (70.6)	1 5/16
Female NPT 	1/8	SS-QTM2-S-2PF	SS-QTM2-D-2PF	0.7	0.7	1.73 (43.9)	5/8
	1/4	SS-QTM2-S-4PF ^①	SS-QTM2-D-4PF ^①	0.2	0.2	2.04 (51.8)	3/4
	1/4	SS-QTM4-S-4PF	SS-QTM4-D-4PF	1.4	1.4	2.36 (59.9)	15/16
	3/8	SS-QTM2-S-6PF	SS-QTM2-D-6PF	0.7	0.6	2.14 (54.4)	7/8
	3/8	SS-QTM4-S-6PF	SS-QTM4-D-6PF	1.8	1.7	2.48 (63.0)	15/16
	1/2	SS-QTM8-S-8PF	SS-QTM8-D-8PF	5.1	4.4	2.66 (67.6)	1 5/16
	3/4	SS-QTM8-S-12PF	SS-QTM8-D-12PF	8.5	7.8	2.66 (67.6)	1 5/16
Female ISO parallel 	1/8	SS-QTM2-S-2FS	SS-QTM2-D-2FS	0.5	0.4	1.73 (43.9)	5/8
	1/4	SS-QTM2-S-4FS	SS-QTM2-D-4FS	0.6	0.6	2.04 (51.8)	3/4
	1/4	SS-QTM4-S-4FS	SS-QTM4-D-4FS	1.2	1.2	2.62 (66.5)	5/16
	1/2	SS-QTM8-S-8FS	SS-QTM8-D-8FS	4.8	3.9	2.66 (67.6)	1 5/16
Female ISO tapered 	1/4	SS-QTM2-S-4FT	SS-QTM2-D-4FT	0.2	0.2	2.04 (51.8)	3/4
	1/4	SS-QTM4-S-4FT	SS-QTM4-D-4FT	1.4	1.4	2.36 (59.9)	5/16
	1/2	SS-QTM8-S-8FT	SS-QTM8-D-8FT	5.1	4.4	2.66 (67.6)	1 5/16

- ① To order alloy 400 with PTFE seals, replace **SS** in the ordering number with **M**.
Example: **M-QTM2-S-400**
- ② For C_v, contact your authorized Swagelok representative.
- ③ Include a female 60° cone profile. They accept a 60° male cone with female swivel nut.

End Connection		Ordering Number		C _v		A in. (mm)	F in.	Max Panel Thickness in. (mm)	Min Panel Hole Dia in. (mm)
Type	Size in.	SESO (Stem has no valve; remains open when uncoupled)	DESO (Stem has valve; shuts off when uncoupled)	SESO	DESO				
Swagelok bulkhead tube fitting 	1/4	SS-QTM4-S1-400	SS-QTM4-D1-400	0.9	0.8	3.05 (77.5)	15/16	0.15 (3.8)	29/64 (11.5)
	3/8	SS-QTM4-S1-600	SS-QTM4-D1-600	1.7	1.6	3.05 (77.5)	15/16	0.15 (3.8)	37/64 (14.7)
	1/2	SS-QTM8-S1-810	SS-QTM8-D1-810	4.2	3.1	3.54 (89.9)	1 5/16	0.19 (4.8)	49/64 (19.4)
	6 mm	SS-QTM4-S1-6M0	SS-QTM4-D1-6M0	0.9	0.8	3.05 (77.5)	24 mm	0.15 (3.8)	29/64 (11.5)
	10 mm	SS-QTM4-S1-10M0	SS-QTM4-D1-10M0	1.7	1.6	3.06 (77.7)	24 mm	0.15 (3.8)	21/32 (16.7)
	12 mm	SS-QTM8-S1-12M0	SS-QTM8-D1-12M0	4.2	3.1	3.54 (89.9)	35 mm	0.19 (4.8)	49/64 (19.4)

Dimensions are for reference only and are subject to change.



End Connection		Ordering Number	A in. (mm)	D in. (mm)	F in.
Type	Size, in.				
Swagelok tube fitting 	1/4	SS-QTM2A-B-400 ^①	3.16 (80.3)	1.12 (28.4)	9/16
	1/4	SS-QTM4A-B-400	4.08 (104)	1.68 (42.7)	7/8
	3/8	SS-QTM2A-B-600	3.25 (82.6)	1.12 (28.4)	3/4
	3/8	SS-QTM4A-B-600	4.08 (104)	1.68 (42.7)	7/8
	1/2	SS-QTM8A-B-810	4.30 (109)	2.00 (50.8)	1 1/8
	3/4	SS-QTM8A-B-1210	4.30 (109)	2.00 (50.8)	1 1/8
	1	SS-QTM8A-B-1610	4.58 (116)	2.00 (50.8)	1 3/8
	6 mm	SS-QTM2A-B-6M0 ^①	3.16 (80.3)	28.4 mm	15 mm
	6 mm	SS-QTM4A-B-6M0	4.08 (104)	42.7 mm	24 mm
	8 mm	SS-QTM2A-B-8M0	3.16 (80.3)	28.4 mm	15 mm
	10 mm	SS-QTM4A-B-10M0	4.09 (104)	42.7 mm	24 mm
12 mm	SS-QTM8A-B-12M0	4.31 (109)	50.8 mm	30 mm	
Male NPT 	1/4	SS-QTM2A-B-4PM ^①	3.02 (76.7)	1.12 (28.4)	9/16
	1/4	SS-QTM4A-B-4PM	3.89 (98.8)	1.68 (42.7)	7/8
	3/8	SS-QTM2A-B-6PM	3.07 (78.0)	1.12 (28.4)	3/4
	3/8	SS-QTM4A-B-6PM	3.89 (98.8)	1.68 (42.7)	7/8
	1/2	SS-QTM8A-B-8PM	4.20 (107)	2.00 (50.8)	1 1/8
	3/4	SS-QTM8A-B-12PM	4.19 (106)	2.00 (50.8)	1 1/8
	1	SS-QTM8A-B-16PM	4.48 (114)	2.00 (50.8)	1 3/8
Male ISO tapered 	1/4	SS-QTM2A-B-4MT	3.02 (76.7)	28.4 mm	9/16
	1/4	SS-QTM4A-B-4MT	3.89 (98.8)	42.7 mm	7/8
	1/2	SS-QTM8A-B-8MT	4.20 (107)	50.8 mm	1 1/8
Male ISO parallel ^② 	1/4	SS-QTM2A-B-4MS	2.96 (75.2)	28.4 mm	3/4
	1/4	SS-QTM4A-B-4MS	3.89 (98.8)	42.7 mm	7/8
	1/2	SS-QTM8A-B-8MS	4.20 (107)	50.8 mm	1 1/8
Male JIC 37° flare (AN) 	1/4	SS-QTM4A-B-4AN	3.89 (98.8)	1.68 (42.7)	7/8
	1/2	SS-QTM8A-B-8AN	4.20 (107)	2.00 (50.8)	1 1/8
Female NPT 	1/8	SS-QTM2A-B-2PF	2.60 (66.0)	1.12 (28.4)	9/16
	1/4	SS-QTM2A-B-4PF ^①	2.99 (75.9)	1.12 (28.4)	3/4
	1/4	SS-QTM4A-B-4PF	3.35 (85.1)	1.68 (42.7)	7/8
	3/8	SS-QTM2A-B-6PF	3.04 (77.2)	1.12 (28.4)	7/8
	3/8	SS-QTM4A-B-6PF	3.35 (85.1)	1.68 (42.7)	7/8
	1/2	SS-QTM8A-B-8PF	3.53 (89.7)	2.00 (50.8)	1 1/8
	3/4	SS-QTM8A-B-12PF	4.02 (102)	2.00 (50.8)	1 5/16
Female ISO parallel 	1/8	SS-QTM2A-B-2FS	2.60 (66.0)	1.12 (28.4)	9/16
	1/4	SS-QTM2A-B-4FS	2.99 (75.9)	1.12 (28.4)	3/4
	1/4	SS-QTM4A-B-4FS	3.35 (85.1)	1.68 (42.7)	7/8
	1/2	SS-QTM8A-B-8FS	3.53 (89.7)	2.00 (50.8)	1 1/8
Female ISO tapered 	1/4	SS-QTM2A-B-4FT	2.99 (75.9)	1.12 (28.4)	3/4
	1/4	SS-QTM4A-B-4FT	3.35 (85.1)	1.68 (42.7)	7/8
	1/4	SS-QTM8A-B-8FT	3.92 (99.6)	2.00 (50.8)	1 1/8

Options

For keyed combinations, see page 12.

Bodies with Release Button


QTM series bodies are available with an optional release button to prevent accidental uncoupling.

For more information, contact your authorized Swagelok representative.

① To order alloy 400 with PTFE seals, replace **SS** in the ordering number with **M**.
Example: **M-QTM2A-B-400**

② Include a female 60° cone profile. They accept a 60° male cone with female swivel nut.

Dimensions are for reference only and are subject to change.

End Connection		Ordering Number	A in. (mm)	D in. (mm)	F in.	Max Panel Thickness in. (mm)	Min Panel Hole Dia in. (mm)
Type	Size, in.						
Swagelok bulkhead tube fitting 	1/4	SS-QTM2A-B1-400 ^①	3.16 (80.3)	1.12 (28.4)	9/16	0.65 (16.5)	1 13/64 (30.6)
	1/4	SS-QTM4A-B1-400	4.42 (112)	1.68 (42.7)	7/8	0.15 (3.8)	29/64 (11.5)
	3/8	SS-QTM4A-B1-600	4.51 (115)	1.68 (42.7)	7/8	0.15 (3.8)	37/64 (14.7)
	1/2	SS-QTM8A-B1-810	4.78 (121)	2.00 (50.8)	1 1/8	0.19 (4.8)	49/64 (19.4)
	6 mm	SS-QTM2A-B1-6M0 ^①	3.16 (80.3)	28.4 mm	15 mm	0.65 (16.5)	1 13/64 (30.6)
	6 mm	SS-QTM4A-B1-6M0	4.42 (112)	42.7 mm	24 mm	0.15 (3.8)	29/64 (11.5)
	10 mm	SS-QTM4A-B1-10M0	4.52 (115)	42.7 mm	24 mm	0.15 (3.8)	21/32 (16.7)
	12 mm	SS-QTM8A-B1-12M0	4.77 (121)	50.8 mm	30 mm	0.19 (4.8)	49/64 (19.4)
Bulkhead male NPT	1/4	SS-QTM2A-B1-4PM ^①	3.02 (76.7)	1.12 (28.4)	9/16	0.65 (16.5)	1 13/64 (30.6)
Bulkhead female NPT	1/8	SS-QTM2A-B1-2PF	2.60 (66.0)	1.12 (28.4)	9/16	0.65 (16.5)	1 13/64 (30.6)
	1/4	SS-QTM2A-B1-4PF ^①	2.96 (75.2)	1.12 (28.4)	3/4	0.65 (16.5)	1 13/64 (30.6)



QTM2 bulkhead bodies have an integral bulkhead.

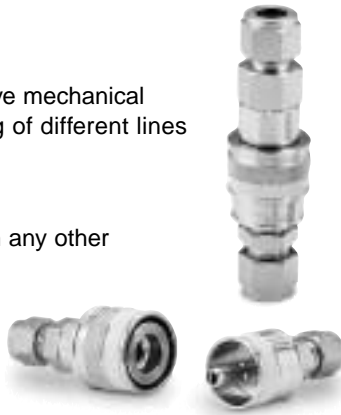
Options

Keyed QC and QTM Series

Swagelok keyed quick-connects provide a positive mechanical lockout system to prevent accidental intermixing of different lines in multifluid or multipressure systems.

Features

- Keyed quick-connects will not interchange with any other Swagelok keyed quick-connects
- If an attempt is made to couple unlike keys, the valve system will not open.
- Stems and bodies are color coded and numbered for easy identification.



QC Series Key Numbers and Sleeve Outside Diameters

for use in calculating alignment positions when panel mounting

Key Number and Color	QC4		QC6		QC8	
	Body Sleeve in. (mm)	Stem Sleeve in. (mm)	Body Sleeve in. (mm)	Stem Sleeve in. (mm)	Body Sleeve in. (mm)	Stem Sleeve in. (mm)
K1 black	0.96 (24.4)	0.82 (20.8)	1.13 (28.7)	0.99 (25.1)	1.26 (32.0)	1.10 (27.9)
K2 orange	0.99 (25.1)	0.85 (21.6)	1.16 (29.5)	1.02 (25.9)	1.29 (32.8)	1.14 (29.0)
K3 green	1.02 (25.9)	0.88 (22.4)	1.19 (30.2)	1.05 (26.7)	1.32 (33.5)	1.17 (29.7)
K4 yellow	1.05 (26.7)	0.91 (23.1)	1.22 (31.0)	1.08 (27.4)	1.35 (34.3)	1.20 (30.5)
K5 blue	1.08 (27.4)	0.94 (23.9)	1.24 (31.5)	1.11 (28.2)	1.38 (35.1)	1.23 (31.2)
K6 white	1.11 (28.2)	0.97 (24.6)	1.28 (32.5)	1.14 (29.0)	1.41 (35.8)	1.26 (32.0)
K7 purple	1.14 (29.0)	1.00 (25.4)	1.31 (33.3)	1.17 (29.7)	1.44 (36.6)	1.29 (32.8)
K8 brown	1.17 (29.7)	1.03 (26.2)	1.34 (34.0)	1.20 (30.5)	1.47 (37.3)	1.32 (33.5)

For other dimensions, see page 4 and 5.

QTM Series Key Numbers

QTM2 series quick-connects are available in keys K1 through K8.

QTM4 and QTM8 series quick-connects are available in keys K1 through K4 only (black, orange, green, or yellow).

Keyed QTM series sleeve dimensions are the same as standard QTM sleeve dimensions. (See the tables on page 10 and 11.)

How to Order

Add a key designator to the QC or QTM series ordering number.

Example: SS-QC4-B-200K1

Body and Stem Protectors

Body and stem protectors are available. Contact your authorized Swagelok representative.

Dimensions are for reference only and are subject to change.

Good Practices for Operation of Swagelok Quick-Connects

- Use filters ahead of quick-connects.
- Use body and stem protectors or dust caps on uncoupled bodies and stems.
- Align bodies and stems when coupling or uncoupling.
- Couple and uncouple quick-connects at room temperature.
- Couple and uncouple quick-connects during system cleaning operations.
- Support hanging hoses or other equipment to prevent side load.
- Re-lubricate stem seal O-rings periodically.

Warning:

Pressure rating restrictions apply when coupling and uncoupling. Do not uncouple single-end shutoff quick-connects under pressure.

Caution:

- Do not rotate quick-connects while coupled.
- Do not insert foreign objects into uncoupled bodies or stems.

ISO Reference Specification

ISO 7/1 (tapered)

ISO 228/1 (straight)

Specifications can be obtained from:

ANSI (American National Standards Institute)
25 W. 43rd Street
New York, NY U.S.A. 10036
or
www.ansi.org

Safe Product Selection

When selecting a product, the total system design must be considered to ensure safe, trouble-free performance. Function, material compatibility, adequate ratings, proper installation, operation, and maintenance are the responsibilities of the system designer and user.

Caution: Do not mix or interchange parts with those of other manufacturers.

Warranty Information

Swagelok products are backed by The Swagelok Limited Lifetime Warranty. For a copy, visit swagelok.com or contact your authorized Swagelok representative.

Swagelok—TM Swagelok Company
Dyneon, TFM—TM Dyneon
Elgiloy—TM Elgiloy Specialty Metals
Xylan—TM Whitford
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