Quick-connects

QC, QF, QV and QM Series

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FI17040813

FITOK
Valves and Fittings

Contents

QC Series

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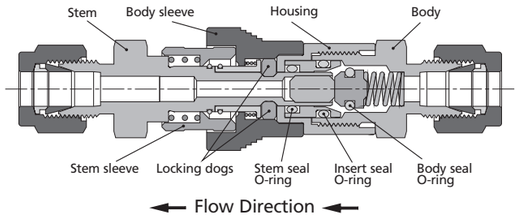
QC Series

Features

- Maximum working pressure: 3000 psig (207 bar)
- Working temperatures:
  -10°F to 400°F (-23°C to 204°C) with Fluorocarbon FKM seal
  -10°F to 250°F (-23°C to 121°C) with Buna N seal
- Materials: Stainless steel or brass
- Reliable, leak-tight O-ring seal for vacuum or pressure systems.
- Interchangeable with other manufacturers' products.
- Single-end shutoff, double-end shutoff, and full-flow available.
- Simple push-to-connect coupling for quick and easy operation.
- Sturdy locking mechanism with large contact area to ensure reliable stem retainment.

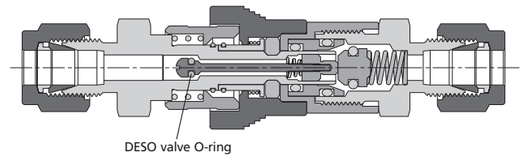
Single-end Shutoff (SESO)

SESO stem + body



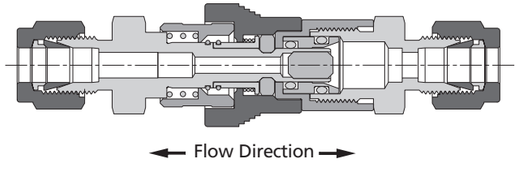
Double-end Shutoff (DESO)

DESO stem + body



Full-flow Quick-connects

SESO stem + full-flow body



Cautions:

- Do not uncouple single-end shutoff quick-connects under pressure.
- Do not insert foreign object into uncoupled stems and bodies.
- Re-lubricate stem seal O-ring periodically.

Standard Materials of Construction

Component	Material	
	316 SS	Brass
Body, housing, stem, body valve, body insert, DESO valve, DESO retainer	316 SS	Brass C36000
SESO stem insert		Brass C26000
O-rings	Fluorocarbon FKM	Buna N
Springs	316 SS	
Snap rings	316 SS	
Body sleeve	Powdered metal 300 series SS	Brass C36000
DESO stem sleeve	Polyurethane enamelcoated 316 SS	Polyurethane enamelcoated brass C36000
SESO stem sleeve	316 SS	Brass C36000
Locking dogs	Xylan®-coated 316 SS powdered metal	
Lubricants	Silicone - and PTFE-based	

Pressure-Temperature Ratings

Temperature °F (°C)	Stainless Steel with FKM O-ring			Brass with Buna N O-ring		
	QC4	QC6	QC8	QC4	QC6	QC8
	pressure rating, psig (bar)					
-10~70 (-23~20)	3000 (206)	1500 (103)	750 (51.6)	2000 (137)	1000 (68.9)	500 (34.4)
250 (121)	—			250 (17.2)		
400 (204)	250 (17.2)			—		

Insertion Depth and Maximum Flow Rate

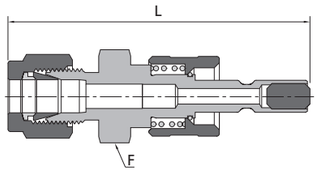
Series	Insertion Depth		Max. Flow Rate at 70°F (20°C)	
	SESO	DESO		
	in. (mm)	in. (mm)	U.S. gal/min	L/min
QC4	1.09 (27.7)	1.15 (29.2)	4.0	15.0
QC6	1.18 (30.0)	1.30 (33.0)	6.0	22.0
QC8	1.48 (37.6)	1.68 (42.7)	10.0	37.0

In order to measure overall length in the coupled position, the insertion depth should be deducted from any overall stem and body combination length.

Dimensions

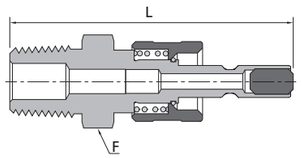
SESO Stems

Tube Fitting



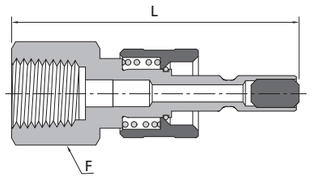
Tube Size	Basic Ordering Number	Flow Coefficient (Cv)	F	L
in.			in.	in. (mm)
1/8	-QC4-FL2-S	0.08	5/8	2.32 (58.9)
1/4	-QC4-FL4-S	0.3	5/8	2.36 (59.9)
3/8	-QC6-FL6-S	1.0	3/4	2.52 (64.0)
1/2	-QC8-FL8-S	2.4	15/16	2.96 (75.2)
mm	——	——	mm	mm (in.)
6	-QC4-ML6-S	0.3	16	59.9 (2.36)
10	-QC6-ML10-S	1.0	19	67.3 (2.65)
12	-QC8-ML12-S	2.4	24	75.2 (2.96)

Male NPT



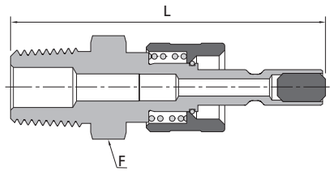
NPT Size	Basic Ordering Number	Flow Coefficient (Cv)	F	L
			in.	in. (mm)
1/8	-QC4-NS2-S	0.3	5/8	2.07 (52.6)
1/4	-QC4-NS4-S	0.3	5/8	2.22 (56.4)
1/4	-QC6-NS4-S	0.8	3/4	2.32 (58.9)
3/8	-QC6-NS6-S	0.8	3/4	2.35 (59.7)
1/2	-QC8-NS8-S	2.0	15/16	2.84 (72.1)

Female NPT



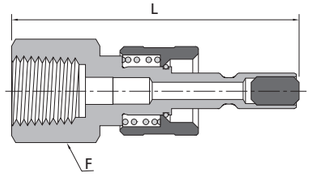
NPT Size	Basic Ordering Number	Flow Coefficient (Cv)	F	L
			in.	in. (mm)
1/8	-QC4-FNS2-S	0.3	5/8	2.01 (51.1)
1/4	-QC4-FNS4-S	0.3	3/4	2.26 (57.4)
1/4	-QC6-FNS4-S	0.8	3/4	2.35 (59.7)
3/8	-QC6-FNS6-S	0.8	7/8	2.35 (59.7)
1/2	-QC8-FNS8-S	2.0	1 1/16	2.82 (71.6)

Male BSPT



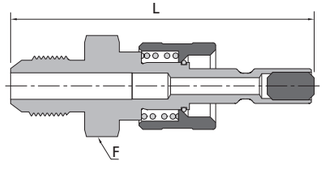
BSPT Size	Basic Ordering Number	Flow Coefficient (Cv)	F	L
			in.	in. (mm)
1/8	-QC4-RT2-S	0.3	5/8	2.07 (52.6)
1/4	-QC4-RT4-S	0.3	5/8	2.22 (56.4)
1/4	-QC6-RT4-S	0.8	3/4	2.32 (58.9)
3/8	-QC6-RT6-S	0.8	3/4	2.35 (59.7)
1/2	-QC8-RT8-S	2.0	15/16	2.84 (72.1)

Female BSPT



BSPT Size	Basic Ordering Number	Flow Coefficient (Cv)	F	L
			in.	in. (mm)
1/8	-QC4-FRT2-S	0.3	5/8	2.01 (51.1)
1/4	-QC4-FRT4-S	0.3	3/4	2.26 (57.4)
1/4	-QC6-FRT4-S	0.8	3/4	2.35 (59.7)
3/8	-QC6-FRT6-S	0.8	7/8	2.35 (59.7)
1/2	-QC8-FRT8-S	2.0	1 1/16	2.82 (71.6)

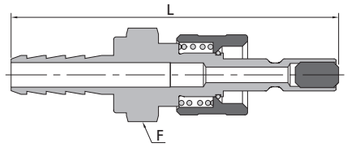
Male JIC(AN) 37° Flare



AN Tube Flare Size	Basic Ordering Number	Flow Coefficient (Cv)	F	L
in.			in.	in. (mm)
1/4	-QC4-AN4-S	0.2	5/8	2.23 (56.6)
3/8	-QC6-AN6-S	1.0	3/4	2.35 (59.7)
1/2	-QC8-AN8-S	2.4	15/16	2.79 (70.9)

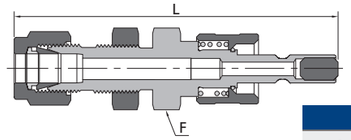
SESO Stems

Hose Connector



Hose Size	Basic Ordering Number	Flow Coefficient (Cv)	F	L
in.			in.	in. (mm)
1/4	-QC4-HC4-S	0.2	5/8	2.47 (62.7)
3/8	-QC6-HC6-S	1.0	3/4	2.66 (67.6)
1/2	-QC8-HC8-S	2.4	15/16	3.07 (78.0)

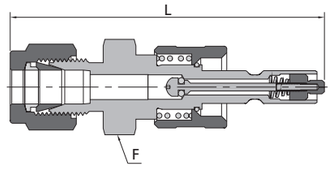
Bulkhead Tube Fitting



Tube Size	Basic Ordering Number	Flow Coefficient (Cv)	F	L	Min. Panel Hole	Max. Panel Thickness
in.			in.	in. (mm)	in. (mm)	in. (mm)
1/4	-QC4-BFL4-S	0.3	5/8	2.74 (69.6)	0.47 (11.9)	0.25 (6.4)
3/8	-QC6-BFL6-S	1.0	3/4	2.92 (74.2)	0.60 (15.2)	0.27 (6.9)
1/2	-QC8-BFL8-S	2.4	15/16	3.43 (87.1)	0.78 (19.8)	0.26 (6.6)
mm	——	——	mm	mm (in.)	mm (in.)	mm (in.)
6	-QC4-BML6-S	0.3	16	69.6 (2.74)	11.7 (0.46)	6.4 (0.25)
10	-QC6-BML10-S	1.0	22	77.7 (3.06)	16.8 (0.66)	6.9 (0.27)
12	-QC8-BML12-S	2.4	24	87.1 (3.43)	19.6 (0.77)	6.6 (0.26)

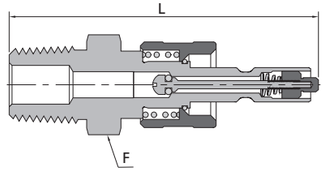
DESO Stems

Tube Fitting



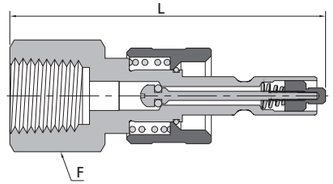
Tube Size	Basic Ordering Number	Flow Coefficient (Cv)	F	L
in.			in.	in. (mm)
1/8	-QC4-FL2-D	0.08	5/8	2.77 (70.4)
1/4	-QC4-FL4-D	0.2	5/8	2.42 (61.5)
3/8	-QC6-FL6-D	0.5	3/4	2.64 (67.1)
1/2	-QC8-FL8-D	1.5	15/16	3.16 (80.3)
mm	——	——	mm	mm (in.)
6	-QC4-ML6-D	0.2	16	61.5 (2.42)
10	-QC6-ML10-D	0.5	19	70.4 (2.77)
12	-QC8-ML12-D	1.5	24	80.3 (3.16)

Male NPT



NPT Size	Basic Ordering Number	Flow Coefficient (Cv)	F	L
			in.	in.(mm)
1/8	-QC4-NS2-D	0.2	5/8	2.13 (54.1)
1/4	-QC4-NS4-D	0.2	5/8	2.28 (57.8)
1/4	-QC6-NS4-D	0.5	3/4	2.44 (61.9)
3/8	-QC6-NS6-D	0.5	3/4	2.47 (62.7)
1/2	-QC8-NS8-D	1.3	15/16	3.04 (77.2)

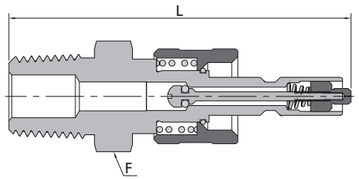
Female NPT



NPT Size	Basic Ordering Number	Flow Coefficient (Cv)	F	L
			in.	in. (mm)
1/8	-QC4-FNS2-D	0.2	5/8	2.07 (52.6)
1/4	-QC4-FNS4-D	0.2	3/4	2.32 (58.9)
1/4	-QC6-FNS4-D	0.5	3/4	2.47 (62.7)
3/8	-QC6-FNS6-D	0.5	7/8	2.47 (62.7)
1/2	-QC8-FNS8-D	1.3	1 1/16	3.04 (77.2)

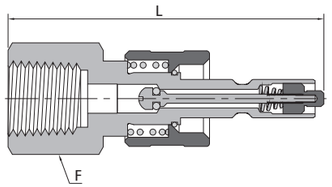
DESO Stems

Male BSPT



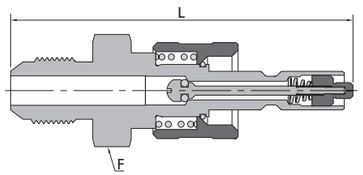
BSPT Size	Basic Ordering Number	Flow Coefficient (Cv)	F	L
			in.	in. (mm)
1/8	-QC4-RT2-D	0.2	5/8	2.13 (54.1)
1/4	-QC4-RT4-D	0.2	5/8	2.28 (57.8)
1/4	-QC6-RT4-D	0.5	3/4	2.44 (61.9)
3/8	-QC6-RT6-D	0.5	3/4	2.47 (62.7)
1/2	-QC8-RT8-D	1.3	15/16	3.04 (77.2)

Female BSPT



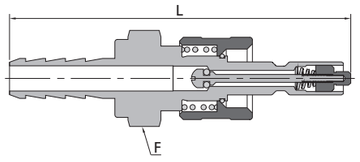
BSPT Size	Basic Ordering Number	Flow Coefficient (Cv)	F	L
			in.	in. (mm)
1/8	-QC4-FRT2-D	0.2	5/8	2.07 (52.6)
1/4	-QC4-FRT4-D	0.2	3/4	2.32 (58.9)
1/4	-QC6-FRT4-D	0.5	3/4	2.47 (62.7)
3/8	-QC6-FRT6-D	0.5	7/8	2.47 (62.7)
1/2	-QC8-FRT8-D	1.3	1 1/16	3.04 (77.2)

Male JIC(AN) 37° Flare



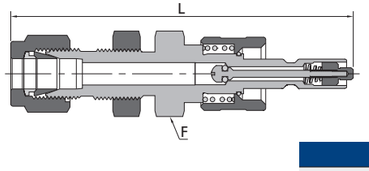
AN Tube Flare Size	Basic Ordering Number	Flow Coefficient (Cv)	F	L
in.			in.	in. (mm)
1/4	-QC4-AN4-D	0.2	5/8	2.29 (58.2)
3/8	-QC6-AN6-D	0.5	3/4	2.47 (62.7)
1/2	-QC8-AN8-D	1.5	15/16	2.99 (75.9)

Hose Connector



Hose Size	Basic Ordering Number	Flow Coefficient (Cv)	F	L
in.			in.	in. (mm)
1/4	-QC4-HC4-D	0.2	5/8	2.53 (64.3)
3/8	-QC6-HC6-D	0.5	3/4	2.78 (70.6)
1/2	-QC8-HC8-D	1.5	15/16	3.27 (83.1)

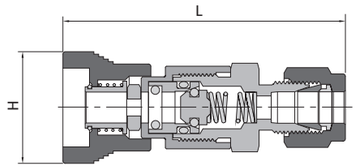
Bulkhead Tube Fitting



Tube Size	Basic Ordering Number	Flow Coefficient (Cv)	F	L	Min. Panel Hole	Max. Panel Thickness
in.			in.	in. (mm)	in. (mm)	in. (mm)
1/4	-QC4-BFL4-D	0.2	5/8	2.80 (71.1)	0.47 (11.9)	0.25 (6.4)
3/8	-QC6-BFL6-D	0.5	3/4	3.07 (78.0)	0.60 (15.2)	0.27 (6.9)
1/2	-QC8-BFL8-D	1.5	15/16	3.63 (92.2)	0.78 (19.8)	0.26 (6.6)
mm	——	——	mm	mm (in.)	mm (in.)	mm (in.)
6	-QC4-BML6-D	0.2	16	71.1 (2.80)	11.7 (0.46)	6.4 (0.25)
10	-QC6-BML10-D	0.5	22	78.7 (3.10)	16.8 (0.66)	6.9 (0.27)
12	-QC8-BML12-D	1.5	24	92.2 (3.63)	19.6 (0.77)	6.6 (0.26)

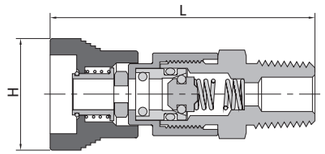
Bodies

Tube Fitting



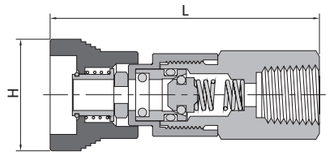
Tube Size	Basic Ordering Number	H	L
in.		in. (mm)	in. (mm)
1/8	-QC4-FL2-B	0.91 (23.1)	2.26 (57.4)
1/4	-QC4-FL4-B	0.91 (23.1)	2.30 (58.4)
3/8	-QC6-FL6-B	1.03 (26.2)	2.58 (65.5)
1/2	-QC8-FL8-B	1.21 (30.7)	3.09 (78.5)
mm	——	mm (in.)	mm (in.)
6	-QC4-ML6-B	23.1 (0.91)	58.4 (2.30)
10	-QC6-ML10-B	26.2 (1.03)	68.1 (2.68)
12	-QC8-ML12-B	30.7 (1.21)	78.5 (3.09)

Male NPT



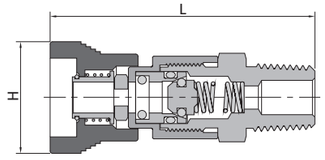
NPT Size	Basic Ordering Number	H	L
		in. (mm)	in. (mm)
1/8	-QC4-NS2-B	0.91 (23.1)	2.01 (51.1)
1/4	-QC4-NS4-B	0.91 (23.1)	2.16 (54.9)
1/4	-QC6-NS4-B	1.03 (26.2)	2.38 (60.5)
3/8	-QC6-NS6-B	1.03 (26.2)	2.38 (60.5)
1/2	-QC8-NS8-B	1.21 (30.7)	2.97 (75.4)

Female NPT



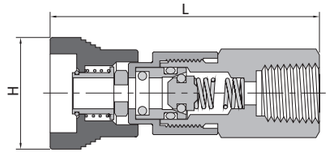
NPT Size	Basic Ordering Number	H	L
		in. (mm)	in. (mm)
1/8	-QC4-FNS2-B	0.91 (23.1)	2.16 (54.9)
1/4	-QC4-FNS4-B	0.91 (23.1)	2.42 (61.5)
1/4	-QC6-FNS4-B	1.03 (26.2)	2.54 (64.5)
3/8	-QC6-FNS6-B	1.03 (26.2)	2.57 (65.3)
1/2	-QC8-FNS8-B	1.21 (30.7)	3.22 (81.8)

Male BSPT



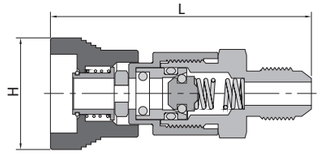
BSPT Size	Basic Ordering Number	H	L
		in. (mm)	in. (mm)
1/8	-QC4-RT2-B	0.91 (23.1)	2.01 (51.1)
1/4	-QC4-RT4-B	0.91 (23.1)	2.16 (54.9)
1/4	-QC6-RT4-B	1.03 (26.2)	2.38 (60.5)
3/8	-QC6-RT6-B	1.03 (26.2)	2.38 (60.5)
1/2	-QC8-RT8-B	1.21 (30.7)	2.97 (75.4)

Female BSPT



BSPT Size	Basic Ordering Number	H	L
		in. (mm)	in. (mm)
1/8	-QC4-FRT2-B	0.91 (23.1)	2.16 (54.9)
1/4	-QC4-FRT4-B	0.91 (23.1)	2.42 (61.5)
1/4	-QC6-FRT4-B	1.03 (26.2)	2.54 (64.5)
3/8	-QC6-FRT6-B	1.03 (26.2)	2.57 (65.3)
1/2	-QC8-FRT8-B	1.21 (30.7)	3.22 (81.8)

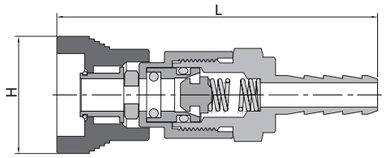
Male JIC (AN) 37° Flare



AN Tube Flare Size	Basic Ordering Number	H	L
in.		in. (mm)	in. (mm)
1/4	-QC4-AN4-B	0.91 (23.1)	2.17 (55.1)
3/8	-QC6-AN6-B	1.03 (26.2)	2.41 (61.2)
1/2	-QC8-AN8-B	1.21 (30.7)	2.92 (74.2)

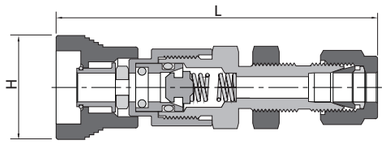
Bodies

Hose Connector



Hose Size	Basic Ordering Number	H	L
in.		in. (mm)	in. (mm)
1/4	-QC4-HC4-B	0.91 (23.1)	2.41 (61.2)
3/8	-QC6-HC6-B	1.03 (26.2)	2.72 (69.1)
1/2	-QC8-HC8-B	1.21 (30.7)	3.20 (81.3)

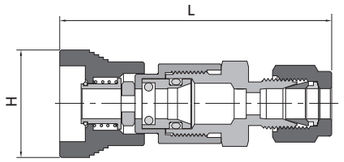
Bulkhead Tube Fitting



Tube Size	Basic Ordering Number	H	L	Min. Panel Hole	Max.Panel Thickness
in.		in. (mm)	in. (mm)	in. (mm)	in. (mm)
1/4	-QC4-BFL4-B	0.91 (23.1)	2.67 (67.8)	0.47 (11.9)	0.25 (6.4)
3/8	-QC6-BFL6-B	1.03 (26.2)	2.98 (75.7)	0.60 (15.2)	0.27 (6.9)
1/2	-QC8-BFL8-B	1.21 (30.7)	3.56 (90.4)	0.78 (19.8)	0.26 (6.6)
mm	——	mm (in.)	mm (in.)	mm (in.)	mm (in.)
6	-QC4-BML6-B	23.1 (0.91)	67.8 (2.67)	11.7 (0.46)	6.4 (0.25)
10	-QC6-BML10-B	26.2 (1.03)	75.9 (2.99)	16.8 (0.66)	6.9 (0.27)
12	-QC8-BML12-B	30.7 (1.21)	90.4 (3.56)	19.6 (0.77)	6.6 (0.26)

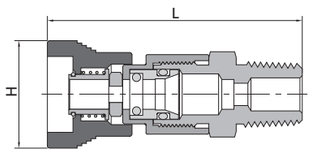
Full-flow bodies

Tube Fitting



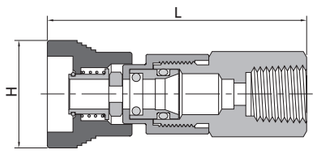
Tube Size	Basic Ordering Number	H	L
in.		in. (mm)	in. (mm)
1/8	-QC4-FL2-BF	0.91 (23.1)	2.26 (57.4)
1/4	-QC4-FL4-BF	0.91 (23.1)	2.30 (58.4)
3/8	-QC6-FL6-BF	1.03 (26.2)	2.58 (65.5)
1/2	-QC8-FL8-BF	1.21 (30.7)	3.09 (78.5)
mm	——	mm (in.)	mm (in.)
6	-QC4-ML6-BF	23.1 (0.91)	58.4 (2.30)
10	-QC6-ML10-BF	26.2 (1.03)	68.1 (2.68)
12	-QC8-ML12-BF	30.7 (1.21)	78.5 (3.09)

Male NPT



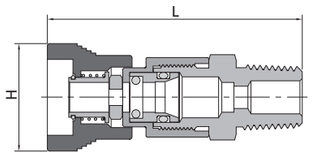
NPT Size	Basic Ordering Number	H	L
		in. (mm)	in. (mm)
1/8	-QC4-NS2-BF	0.91 (23.1)	2.01 (51.1)
1/4	-QC4-NS4-BF	0.91 (23.1)	2.16 (54.9)
1/4	-QC6-NS4-BF	1.03 (26.2)	2.38 (60.5)
3/8	-QC6-NS6-BF	1.03 (26.2)	2.38 (60.5)
1/2	-QC8-NS8-BF	1.21 (30.7)	2.97 (75.4)

Female NPT



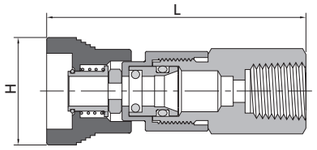
NPT Size	Basic Ordering Number	H	L
		in. (mm)	in. (mm)
1/8	-QC4-FNS2-BF	0.91 (23.1)	2.16 (54.9)
1/4	-QC4-FNS4-BF	0.91 (23.1)	2.42 (61.5)
1/4	-QC6-FNS4-BF	1.03 (26.2)	2.54 (65.4)
3/8	-QC6-FNS6-BF	1.03 (26.2)	2.57 (65.3)
1/2	-QC8-FNS8-BF	1.21 (30.7)	3.22 (81.8)

Male BSPT



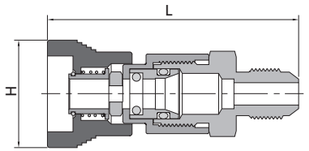
BSPT Size	Basic Ordering Number	H	L
		in. (mm)	in. (mm)
1/8	-QC4-RT2-BF	0.91 (23.1)	2.01 (51.1)
1/4	-QC4-RT4-BF	0.91 (23.1)	2.16 (54.9)
1/4	-QC6-RT6-BF	1.03 (26.2)	2.38 (60.5)
3/8	-QC6-RT6-BF	1.03 (26.2)	2.38 (60.5)
1/2	-QC8-RT8-BF	1.21 (30.7)	2.97 (75.4)

Female BSPT



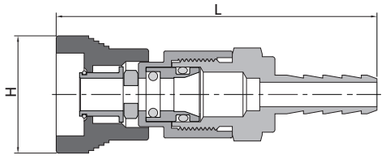
BSPT Size	Basic Ordering Number	H	L
		in. (mm)	in. (mm)
1/8	-QC4-FRT2-BF	0.91 (23.1)	2.16 (54.9)
1/4	-QC4-FRT4-BF	0.91 (23.1)	2.42 (61.5)
1/4	-QC6-FRT4-BF	1.03 (26.2)	2.54 (64.5)
3/8	-QC6-FRT6-BF	1.03 (26.2)	2.57 (65.3)
1/2	-QC8-FRT8-BF	1.21 (30.7)	3.22 (81.8)

Male JIC (AN) 37° Flare



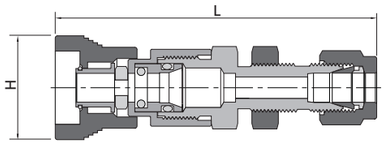
AN Tube Flare Size	Basic Ordering Number	H	L
in.		in. (mm)	in. (mm)
1/4	-QC4-AN4-BF	0.91 (23.1)	2.17 (55.1)
3/8	-QC6-AN6-BF	1.03 (26.2)	2.41 (61.2)
1/2	-QC8-AN8-BF	1.21 (30.7)	2.92 (74.2)

Hose Connector



Hose Size	Basic Ordering Number	H	L
in.		in. (mm)	in. (mm)
1/4	-QC4-HC4-BF	0.91 (23.1)	2.41 (61.2)
3/8	-QC6-HC6-BF	1.03 (26.2)	2.72 (69.1)
1/2	-QC8-HC8-BF	1.21 (30.7)	3.20 (81.3)

Bulkhead Tube Fitting



Tube Size	Basic Ordering Number	H	L	Min. Panel Hole	Max.Panel Thickness
in.		in. (mm)	in. (mm)	in. (mm)	in. (mm)
1/4	-QC4-BFL4-BF	0.91 (23.1)	2.67 (67.8)	0.47 (11.9)	0.25 (6.4)
3/8	-QC6-BFL6-BF	1.03 (26.2)	2.98 (75.7)	0.60 (15.2)	0.27 (6.9)
1/2	-QC8-BFL8-BF	1.21 (30.7)	3.56 (90.4)	0.78	0.26 (6.6)
mm	——	mm (in.)	mm (in.)	mm (in.)	mm (in.)
6	-QC4-BML6-BF	23.1 (0.91)	67.8 (2.67)	11.7 (0.46)	6.4 (0.25)
10	-QC6-BML10-BF	26.2 (1.03)	75.9 (2.99)	16.8 (0.66)	6.9 (0.27)
12	-QC8-BML12-BF	30.7 (1.21)	90.4 (3.56)	19.6 (0.77)	6.6 (0.26)

Keyed QC Series

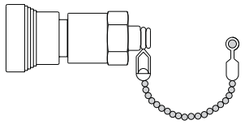
FITOK keyed quick-connects provide a Reliable mechanical lockout system to prevent accidental intermixing of different lines in multifluid or multipressure systems.

QC Series Key Numbers and Sleeve Outside Diameters

Key Number and Color	QC4		QC6		QC8	
	Body Sleeve	Stem Sleeve	Body Sleeve	Stem Sleeve	Body Sleeve	Stem Sleeve
	in. (mm)	in. (mm)	in. (mm)	in. (mm)	in. (mm)	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)

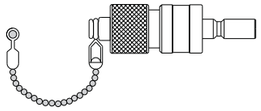
Protectors

Stem Protector



Series	Basic Ordering Number
QC4	-QC4-SP
QC6	-QC6-SP
QC8	-QC8-SP

Body Protector



Series	Basic Ordering Number
QC4	-QC4-BP
QC6	-QC6-BP
QC8	-QC8-BP

- To order a protector, add material designator (SS for stainless steel or B for brass) as a prefix to the basic ordering number.
  Example: **SS-QC4-BP**
- To order a keyed protector, add material designator (SS for stainless steel or B for brass) as a prefix and key designator from the table below as a suffix to the ordering number.
  Example: **SS-QC4-BP-K2**

Part Number Description

SS – QC4 – FL4 – S – K1

Material

SS	316SS
B	Brass
S4	304SS
CS	Carbon Steel
904L	904L SS

Series

QC4	1/4" (6.4 mm)
QC6	3/8" (9.5 mm)
QC8	1/2" (12.7 mm)

End Connection Type

FNS	Female NPT
NS	Male NPT
FRT	Female BSPT
RT	Male BSPT
FMS	Female Metric Thread (for RG gasket)
MS	Male Metric Thread (for RG gasket)
FL	Fractional Tube Fitting
ML	Metric Tube Fitting
BFL	Fractional Bulkhead Tube Fitting
BML	Metric Bulkhead Tube Fitting
FT	Fractional Tube Adapter
MT	Metric Tube Adapter
AN	Male JIC 37° Flare

End Connection Size

4	1/4"
6	3/8" or 6 mm
8	1/2" or 8 mm
10	5/8" or 10 mm
12	3/4" or 12 mm
14	M14 x 1.5
16	1" or 16 mm
18	M18 x 1.5
20	M20 x 1.5

Stem or Body

S	Stem without valve remains open when uncoupled
D	Stem with valve shuts off when uncoupled
B	Body with valve shuts off when uncoupled
BF	Full-flow body

Key Number and Color

	Without Key
K1	Black
K2	Orange
K3	Green
K4	Yellow
K5	Blue
K6	White
K7	Purple
K8	Brown

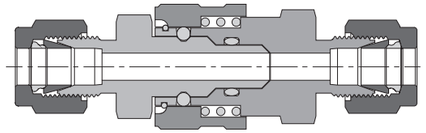
Note: "Part Number Description" is used for composition rules of FITOK product model, Not suitable for specific product part number selection, not random combinations. If in doubt, please contact FITOK company or authorized agents.

1. Sizes and types listed are standard. Other sizes and types are available on request.
2. Dimensions are for reference only and are subject to change.

QF Series

Features

- Full flow
- Quick, easy operation
- Maximum working pressure: 6000 psig (414 bar)
- Materials: stainless steel, carbon steel, and brass
- Working temperatures:
  -10°F to 400°F (-23°C to 204°C) with Fluorocarbon FKM seal
  -10°F to 250°F (-23°C to 121°C) with Buna N seal
- Smooth, open bores without valving on either end to minimize pressure drop and allow easy cleaning.



Flow Direction

Standard Materials of Construction

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

Pressure-Temperature Ratings

Temperature °F (°C)	Stainless Steel with FKM O-ring				Brass with Buna N O-ring				Carbon Steel with Buna N O-ring			
	QF4	QF8	QF12	QF16	QF4	QF8	QF12	QF16	QF4	QF8	QF12	QF16
	pressure rating, psig (bar)											
-10~70 (-23~20)	6000 (414)	4000 (275)			4000 (275)	3000 (207)	2000 (137)		4000 (275)	3000 (207)		
250 (121)	—				100 (6.9)				100 (6.9)			
400 (204)	100 (6.9)				—				—			

In order to measure overall length in the coupled position, insertion depth should be deducted from any overall stem and body combination length.

Insert Depth

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

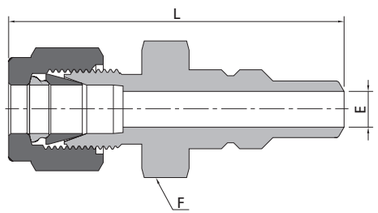
Cautions:

- Do not uncouple under pressure.
- Do not insert foreign object into uncoupled stems and bodies.
- Re-lubricate stem seal O-ring periodically.

Dimensions

Stems

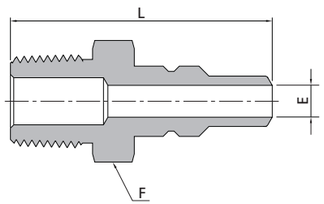
Tube Fitting



Tube Size	Basic Ordering Number	Flow Coefficient (Cv)	E	F	L
in.			in. (mm)	in.	in. (mm)
1/4	-QF4-FL4-S	2.2	0.19 (4.8)	9/16	1.77 (45.0)
3/8	-QF4-FL6-S	2.8	0.24 (6.1)	11/16	1.77 (45.0)
3/8	-QF8-FL6-S	2.8	0.28 (7.1)	7/8	1.88 (47.8)
1/2	-QF8-FL8-S	13.0	0.41 (10.4)	7/8	1.99 (50.5)
3/4	-QF12-FL12-S	26.0	0.62 (15.7)	1 1/16	2.15 (54.6)
1	-QF16-FL16-S	45.0	0.88 (22.4)	1 3/8	2.45 (62.2)
mm	——	——	(mm) in.	mm	(mm) in.
6	-QF4-ML6-S	2.2	4.8 (0.19)	15	45.0 (1.77)
10	-QF8-ML10-S	2.8	7.1 (0.28)	22	48.5 (1.91)
12	-QF8-ML12-S	13.0	9.5 (0.37)	22	51.3 (2.02)
20	-QF12-ML20-S	26.0	15.7 (0.62)	30	54.6 (2.15)
25	-QF16-ML25-S	45.0	22.4 (0.88)	36	63.5 (2.50)

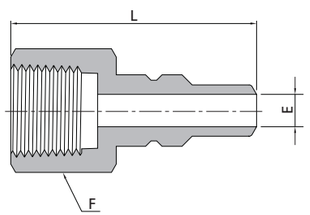
Stems

Male NPT



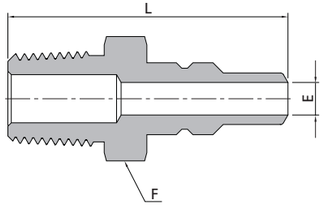
NPT Size	Basic Ordering Number	Flow Coefficient (Cv)	E	F	L
			in. (mm)	in.	in. (mm)
1/4	-QF4-NS4-S	1.7	0.24 (6.1)	9/16	1.59 (40.4)
3/8	-QF4-NS6-S	1.7	0.24 (6.1)	11/16	1.59 (40.4)
3/8	-QF8-NS6-S	7.1	0.41 (10.4)	7/8	1.65 (41.9)
1/2	-QF8-NS8-S	11.5	0.50 (12.7)	7/8	1.84 (46.7)
3/4	-QF12-NS12-S	23.6	0.72 (18.3)	1 1/16	2.03 (51.6)
1	-QF16-NS16-S	39.0	0.88 (22.4)	1 3/8	2.35 (59.7)

Female NPT



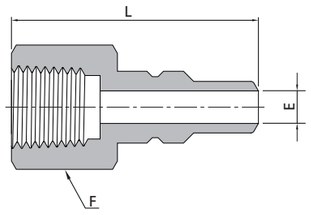
NPT Size	Basic Ordering Number	Flow Coefficient (Cv)	E	F	L
			in. (mm)	in.	in. (mm)
1/4	-QF4-FNS4-S	1.7	0.24 (6.1)	3/4	1.60 (40.6)
3/8	-QF4-FNS6-S	1.7	0.24 (6.1)	7/8	1.67 (42.4)
3/8	-QF8-FNS6-S	7.1	0.41 (10.4)	1 1/16	1.59 (40.4)
1/2	-QF8-FNS8-S	11.5	0.50 (12.7)	1 1/16	1.82 (46.2)
3/4	-QF12-FNS12-S	23.6	0.72 (18.3)	1 5/16	2.08 (52.8)
1	-QF16-FNS16-S	39.0	0.88 (22.4)	1 5/8	2.49 (63.2)

Male BSPT



BSPT Size	Basic Ordering Number	Flow Coefficient (Cv)	E	F	L
			in. (mm)	in.	in. (mm)
1/4	-QF4-RT4-S	1.7	0.24 (6.1)	9/16	1.59 (40.4)
3/8	-QF4-RT6-S	1.7	0.24 (6.1)	11/16	1.59 (40.4)
3/8	-QF8-RT6-S	7.1	0.41 (10.4)	7/8	1.65 (41.9)
1/2	-QF8-RT8-S	11.5	0.50 (12.7)	7/8	1.84 (46.7)
3/4	-QF12-RT12-S	23.6	0.72 (18.3)	1 1/16	2.03 (51.6)
1	-QF16-RT16-S	39.0	0.88 (22.4)	1 3/8	2.35 (59.7)

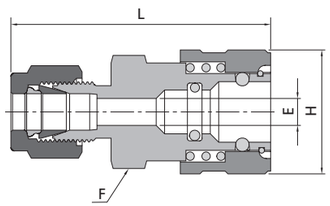
Female BSPT



BSPT Size	Basic Ordering Number	Flow Coefficient (Cv)	E	F	L
			in. (mm)	in.	in. (mm)
1/4	-QF4-FRT4-S	1.7	0.24 (6.1)	3/4	1.60 (40.6)
3/8	-QF4-FRT6-S	1.7	0.24 (6.1)	7/8	1.67 (42.4)
3/8	-QF8-FRT6-S	7.1	0.41 (10.4)	1 1/16	1.59 (40.4)
1/2	-QF8-FRT8-S	11.5	0.50 (12.7)	1 1/16	1.82 (46.2)
3/4	-QF12-FRT12-S	23.6	0.72 (18.3)	1 5/16	2.08 (52.8)
1	-QF16-FRT16-S	39.0	0.88 (22.4)	1 5/8	2.49 (63.2)

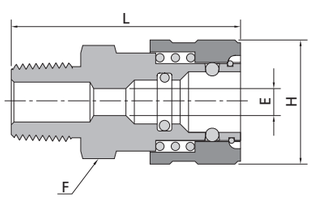
Bodies

Tube Fitting



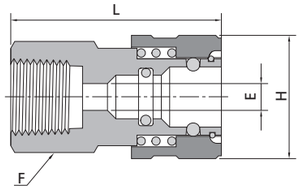
Tube Size	Basic Ordering Number	E	F	H	L
in.		in. (mm)	in.	in. (mm)	in. (mm)
1/4	-QF4-FL4-B	0.19 (4.8)	11/16	0.87 (22.1)	1.80 (45.7)
3/8	-QF4-FL6-B	0.28 (7.1)	11/16	0.87 (22.1)	1.81 (46.0)
3/8	-QF8-FL6-B	0.28 (7.1)	1 1/16	1.30 (33.0)	2.17 (55.1)
1/2	-QF8-FL8-B	0.47 (11.9)	1 1/16	1.30 (33.0)	2.23 (56.6)
3/4	-QF12-FL12-B	0.62 (15.7)	1 1/2	1.66 (42.2)	2.45 (62.2)
1	-QF16-FL16-B	0.88 (22.4)	1 11/16	1.88 (47.8)	2.75 (69.9)
mm	——	(mm) in.	mm	(mm) in.	(mm) in.
6	-QF4-ML6-B	4.8 (0.19)	18	22.1 (0.87)	45.7 (1.80)
10	-QF8-ML10-B	7.1 (0.28)	27	33.0 (1.30)	55.9 (2.20)
12	-QF8-ML12-B	10.4 (0.41)	27	33.0 (1.30)	57.4 (2.26)
20	-QF12-ML20-B	15.9 (0.63)	38	42.2 (1.66)	63.5 (2.50)
25	-QF16-ML25-B	21.8 (0.86)	46	47.8 (1.88)	70.0 (2.76)

Male NPT



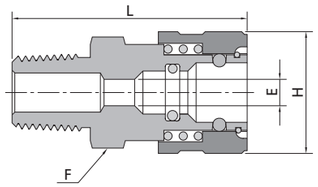
NPT Size	Basic Ordering Number	E	F	H	L
		in. (mm)	in.	in. (mm)	in. (mm)
1/4	-QF4-NS4-B	0.25 (6.4)	11/16	0.87 (22.1)	1.57 (39.9)
3/8	-QF4-NS6-B	0.37 (9.4)	11/16	0.87 (22.1)	1.57 (39.9)
3/8	-QF8-NS6-B	0.41 (10.4)	1 1/16	1.30 (33.0)	1.83 (46.5)
1/2	-QF8-NS8-B	0.50 (12.7)	1 1/16	1.30 (33.0)	2.08 (52.8)
3/4	-QF12-NS12-B	0.72 (18.3)	1 1/2	1.66 (42.2)	2.33 (59.2)
1	-QF16-NS16-B	0.88 (22.4)	1 11/16	1.88 (47.8)	2.65 (67.3)

Female NPT



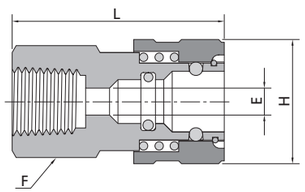
NPT Size	Basic Ordering Number	E	F	H	L
		in. (mm)	in.	in. (mm)	in. (mm)
1/4	-QF4-FNS4-B	0.38 (9.7)	3/4	0.87 (22.1)	1.50 (38.1)
3/8	-QF4-FNS6-B	0.38 (9.7)	7/8	0.87 (22.1)	1.63 (41.4)
3/8	-QF8-FNS6-B	0.59 (15.0)	1 1/16	1.30 (33.0)	1.73 (43.9)
1/2	-QF8-FNS8-B	0.63 (16.0)	1 1/16	1.30 (33.0)	1.73 (43.9)
3/4	-QF12-FNS12-B	0.88 (22.4)	1 1/2	1.66 (42.2)	1.89 (48.0)
1	-QF16-FNS16-B	1.06 (26.9)	1 11/16	1.88 (47.8)	2.12 (53.8)

Male BSPT



BSPT Size	Basic Ordering Number	E	F	H	L
		in. (mm)	in.	in. (mm)	in. (mm)
1/4	-QF4-RT4-B	0.25 (6.4)	11/16	0.87 (22.1)	1.57 (39.9)
3/8	-QF4-RT6-B	0.37 (9.4)	11/16	0.87 (22.1)	1.57 (39.9)
3/8	-QF8-RT6-B	0.41 (10.4)	1 1/16	1.30 (33.0)	1.83 (46.5)
1/2	-QF8-RT8-B	0.50 (12.7)	1 1/16	1.30 (33.0)	2.08 (52.8)
3/4	-QF12-RT12-B	0.72 (18.3)	1 1/2	1.66 (42.2)	2.33 (59.2)
1	-QF16-RT16-B	0.88 (22.4)	1 11/16	1.88 (47.8)	2.65 (67.3)

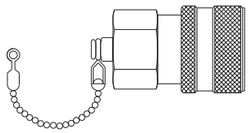
Female BSPT



BSPT Size	Basic Ordering Number	E	F	H	L
		in. (mm)	in.	in. (mm)	in. (mm)
1/4	-QF4-FRT4-B	0.38 (9.7)	3/4	0.87 (22.1)	1.50 (38.1)
3/8	-QF4-FRT6-B	0.38 (9.7)	7/8	0.87 (22.1)	1.63 (41.4)
3/8	-QF8-FRT6-B	0.59 (15.0)	1 1/16	1.30 (33.0)	1.73 (43.9)
1/2	-QF8-FRT8-B	0.63 (16.0)	1 1/16	1.30 (33.0)	1.73 (43.9)
3/4	-QF12-FRT12-B	0.88 (22.4)	1 1/2	1.66 (42.2)	1.89 (48.0)
1	-QF16-FRT16-B	1.06 (26.9)	1 11/16	1.88 (47.8)	2.12 (53.8)

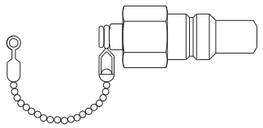
Protectors

Stem Protector



Series	Basic Ordering Number
QF4	-QF4-SP
QF8	-QF8-SP
QF12	-QF12-SP
QF16	-QF16-SP

Body Protector



Series	Basic Ordering Number
QF4	-QF4-BP
QF8	-QF8-BP
QF12	-QF12-BP
QF16	-QF16-BP

◎ To order a protector, add material designator (SS for stainless steel or B for brass) as a prefix to the basic ordering number.
Example: **SS-QF4-BP**

Part Number Description

SS – QF4 – FL4 – S

Material	
SS	316SS
B	Brass
S4	304SS
CS	Carbon Steel
904L	904L SS

Series	
QF4	1/4" (6.4 mm)
QF8	1/2" (12.7 mm)
QF12	3/4" (19.0 mm)
QF16	1" (25.4 mm)

End Connection Type	
FNS	Female NPT
NS	Male NPT
FRT	Female BSPT
RT	Male BSPT
FMS	Female Metric Thread (for RG gasket)
MS	Male Metric Thread (for RG gasket)
FL	Fractional Tube Fitting
ML	Metric Tube Fitting
FT	Fractional Tube Adapter
MT	Metric Tube Adapter
AN	Male JIC 37° Flare

End Connection Size	
4	1/4"
6	3/8" or 6 mm
8	1/2" or 8 mm
10	5/8" or 10 mm
12	3/4" or 12 mm
14	M14 x 1.5
16	1" or 16 mm
18	M18 x 1.5
20	M20 x 1.5

Stem or Body	
S	Stem
B	Body

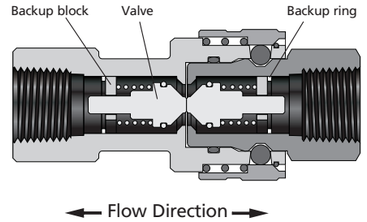
Note: "Part Number Description" is used for composition rules of FITOK product model, Not suitable for specific product part number selection, not random combinations. If in doubt, please contact FITOK company or authorized agents.

1. Dimensions are for reference only and are subject to change.
2. Sizes and types listed are standard. Other sizes and types are available on request.

QV Series

Features

◎ Large flow area ensure high flow capacity.
◎ Positive valve stop. The perch maintains valve alignment and provides metal to metal valve stop to ensure that the valves fully open.
◎ Hardened nipples and sleeves as well as solid barstock construction, make for a quality coupling with maximum resistance to damage from hydraulic and mechanical shock.
◎ The seal is designed to withstand high pressure and provide reliable sealing.
◎ Durable ball-locking mechanism assures reliable connection.
◎ Working temperatures:
-10°F to 400°F (-23°C to 204°C) with Fluorocarbon FKM seal
-10°F to 250°F (-23°C to 121°C) with Buna N seal



Standard Materials of Construction

Component	Material	
	316 SS	Brass
Body, Body sleeve, stem, valve, backup block	316 SS	Brass C36000
O-rings	Fluorocarbon FKM	Buna N
Spring, snap ring, locking balls	316 SS	
Lubricants	Silicone- and PTFE-based	

Pressure-Temperature Ratings

Body Material	Stainless Steel						Brass					
Series	QV2	QV4	QV6	QV8	QV12	QV16	QV2	QV4	QV6	QV8	QV12	QV16
O-ring	FKM						Buna N					
Temperature Range	-10°F to 400°F (-23°C to 204°C)						-10°F to 250°F (-23°C to 121°C)					
Working Pressue psig (bar)	2000 (137)		1500 (103)		1000 (68.9)		1000 (68.9)					

In order to measure overall length in the coupled position, the insertion depth should be deducted from any overall stem and body combination length.

Insert Depth

Series	Insert Depth in. (mm)
QV2	0.71 (18.0)
QV4	0.81 (20.6)
QV6	0.89 (22.5)
QV8	1.01 (25.6)
QV12	1.26 (32.1)
QV16	1.42 (36.1)

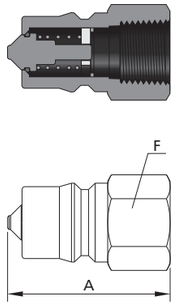
Cautions:

◎ Do not uncouple single-end shutoff quick-connects under pressure.
◎ Do not insert foreign object into uncoupled stems and bodies.
◎ Re-lubricate stem seal O-ring periodically.

Dimensions

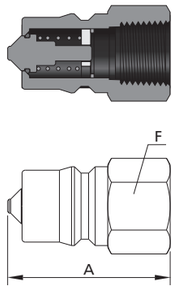
Stems

Female NPT



Female NPT				
NPT Size	Basic Ordering Number	Flow coefficient (Cv)	A	F
			in. (mm)	in.
1/8	-QV2-FNS2-D	0.8	1.16 (29.5)	9/16
1/4	-QV4-FNS4-D	3.0	1.39 (35.3)	3/4
3/8	-QV6-FNS6-D	6.0	1.50 (38.1)	7/8
1/2	-QV8-FNS8-D	12.0	1.75 (44.5)	1 1/8
3/4	-QV12-FNS12-D	28.0	2.16 (54.9)	1 3/8
1	-QV16-FNS16-D	50.0	2.91 (73.9)	1 5/8

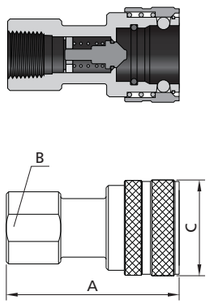
Female BSPT



Female BSPT				
BSPT Size	Basic Ordering Number	Flow coefficient (Cv)	A	F
			in. (mm)	in.
1/8	-QV2-FRT2-D	0.8	1.16 (29.5)	9/16
1/4	-QV4-FRT4-D	3.0	1.39 (35.3)	3/4
3/8	-QV6-FRT6-D	6.0	1.50 (38.1)	7/8
1/2	-QV8-FRT8-D	12.0	1.75 (44.5)	1 1/8
3/4	-QV12-FRT12-D	28.0	2.16 (54.9)	1 3/8
1	-QV16-FRT16-D	50.0	2.91 (73.9)	1 5/8

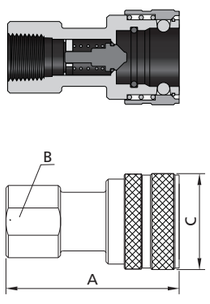
Bodies

Female NPT



Female NPT				
NPT Size	Basic Ordering Number	A	B	C
		in. (mm)	in. (mm)	in. (mm)
1/8	-QV2-FNS2-B	1.90 (48.3)	0.63 (15.9)	0.96 (24.4)
1/4	-QV4-FNS4-B	2.26 (57.4)	0.81 (20.6)	1.14 (29.0)
3/8	-QV6-FNS6-B	2.49 (63.2)	0.88 (22.2)	1.40 (35.6)
1/2	-QV8-FNS8-B	2.87 (72.9)	1.13 (28.6)	1.77 (45.0)
3/4	-QV12-FNS12-B	3.56 (90.4)	1.31 (33.3)	2.14 (54.4)
1	-QV16-FNS16-B	4.18 (106.2)	1.63 (41.3)	2.52 (64.0)

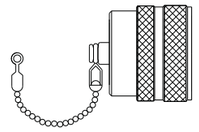
Female BSPT



Female BSPT				
NPT Size	Basic Ordering Number	A	B	C
		in. (mm)	in. (mm)	in. (mm)
1/8	-QV2-FRT2-B	1.90 (48.3)	0.69 (17.5)	0.96 (24.4)
1/4	-QV4-FRT4-B	2.26 (57.4)	0.81 (20.6)	1.14 (29.0)
3/8	-QV6-FRT6-B	2.49 (63.2)	0.88 (22.2)	1.40 (35.6)
1/2	-QV8-FRT8-B	2.87 (72.9)	1.13 (28.6)	1.77 (45.0)
3/4	-QV12-FRT12-B	3.56 (90.4)	1.31 (33.3)	2.14 (54.4)
1	-QV16-FRT16-B	4.18 (106.2)	1.63 (41.3)	2.52 (64.0)

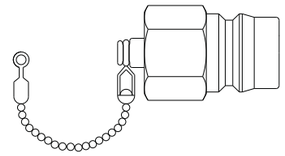
Protectors

Stem Protector



Series	Basic Ordering Number
QV2	-QV2-SP
QV4	-QV4-SP
QV6	-QV6-SP
QV8	-QV8-SP
QV12	-QV12-SP
QV16	-QV16-SP

Body Protector



Series	Basic Ordering Number
QV2	-QV2-BP
QV4	-QV4-BP
QV6	-QV6-BP
QV8	-QV8-BP
QV12	-QV12-BP
QV16	-QV16-BP

◎ To order a protector, add material designator (SS for stainless steel or B for brass) as a prefix to the basic ordering number.
Example: **SS-QV4-BP**

Part Number Description

SS – QV8 – FNS8 – D

Material	
SS	316SS
B	Brass
S4	304SS
CS	Carbon Steel
904L	904L SS

Series	
QV2	1/8" (3.2 mm)
QV4	1/4" (6.4 mm)
QV8	1/2" (12.7 mm)
QV12	3/4" (19.0 mm)
QV16	1" (25.4 mm)

End Connection Type	
FNS	Female NPT
FRT	Female BSPT

End Connection Size	
2	1/8"
4	1/4"
6	3/8"
8	1/2"
12	3/4"
16	1"

Stem or Body	
D	Stem with valve shuts off when uncoupled
B	Body with valve shuts off when uncoupled

Note: "Part Number Description" is used for composition rules of FITOK product model, Not suitable for specific product part number selection, not random combinations. If in doubt, please contact FITOK company or authorized agents.

1. Dimensions are for reference only and are subject to change.
2. Sizes and types listed are standard. Other sizes and types are available on request.

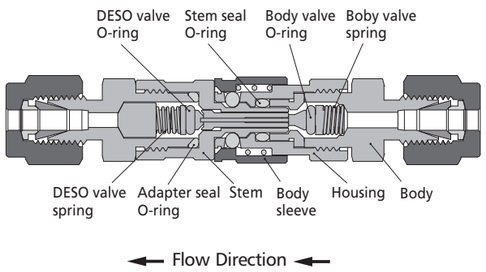
QM Series

Features

- Maximum working pressure: 4000 psig (276 bar)
- Working temperatures: -10°F to 400°F (-23°C to 204°C)
- Single-end shutoff, double-end shutoff, and full-flow available.
- Quick, easy operation

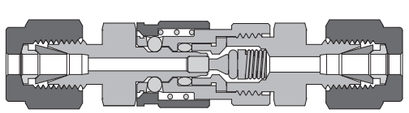
Double-end Shutoff (DESO)

DESO stem + body



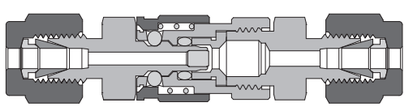
Single-end Shutoff (SESO)

SESO stem + body



Full-flow Quick-connects

SESO stem + full-flow body



Standard Materials of Construction

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

Pressure -Temperature Ratings

Temperature °F(°C)	316 SS with Fluorocarbon FKM O-rings	Brass with Buna N O-rings
	Pressure Rating, psig(bar)	
70 (20)	4000 (276)	2000 (138)
250 (121)		100 (6.8)
400 (204)	100 (6.8)	

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

Insert Depth

In order to measure overall length in the coupled position, insertion depth should be deducted from any overall stem and body combination length.

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

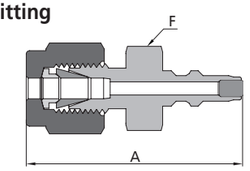
Cautions:

- Do not uncouple single-end shutoff quick-connects under pressure.
- Do not insert foreign object into uncoupled stems and bodies.
- Re-lubricate stem seal O-ring periodically.

Dimensions

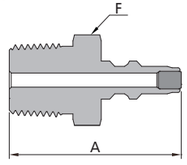
SESO Stems

Tube Fitting



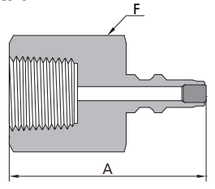
Tube Size in.	Basic Ordering Number	Flow Coefficient (Cv)	A	F
			in. (mm)	in.
1/16	QM-FL1-S	0.06	1.18 (30.0)	7/16
1/8	QM-FL2-S		1.29 (32.8)	

Male NPT



NPT Size in.	Basic Ordering Number	Flow Coefficient (Cv)	A	F
			in. (mm)	in.
1/16	QM-NS1-S	0.06	1.03 (26.2)	7/16
1/8	QM-NS2-S			

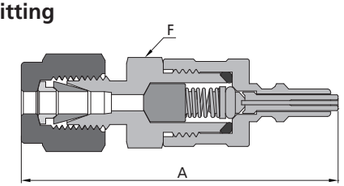
Female NPT



NPT Size in.	Basic Ordering Number	Flow Coefficient (Cv)	A	F
			in. (mm)	in.
1/16	QM-FNS1-S	0.06	1.03 (26.2)	7/16
1/8	QM-FNS2-S		1.18 (30.0)	9/16

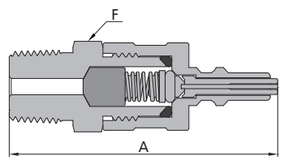
DESO Stems

Tube Fitting



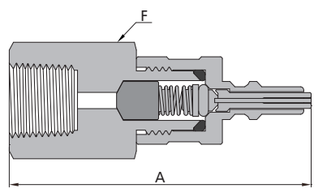
Tube Size in.	Basic Ordering Number	Flow Coefficient (Cv)	A	F
			in. (mm)	in.
1/16	QM-FL1-D	0.05	1.76 (44.7)	7/16
1/8	QM-FL2-D		1.87 (47.5)	

Male NPT



NPT Size in.	Basic Ordering Number	Flow Coefficient (Cv)	A	F
			in. (mm)	in.
1/16	QM-NS1-D	0.05	1.61 (40.9)	7/16
1/8	QM-NS2-D			

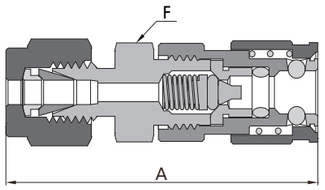
Female NPT



NPT Size in.	Basic Ordering Number	Flow Coefficient (Cv)	A	F
			in. (mm)	in.
1/16	QM-FNS1-D	0.05	1.61 (40.9)	7/16
1/8	QM-FNS2-D		1.81 (46.0)	9/16

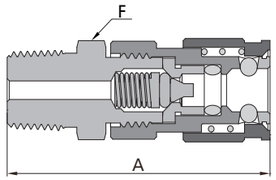
Bodies

Tube Fitting



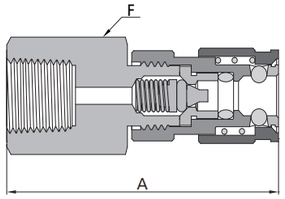
Tube Size in.	Basic Ordering Number	A	F
		in. (mm)	in.
1/16	QM-FL1-B	1.50 (38.1)	7/16
1/8	QM-FL2-B	1.70 (43.2)	

Male NPT



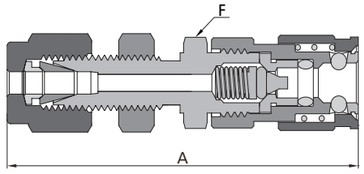
NPT Size in.	Basic Ordering Number	A	F
		in. (mm)	in.
1/16	QM-NS1-B	1.42 (36.1)	7/16
1/8	QM-NS2-B	1.44 (36.6)	

Female NPT



NPT Size in.	Basic Ordering Number	A	F
		in. (mm)	in.
1/16	QM-FNS1-B	1.43 (36.3)	7/16
1/8	QM-FNS2-B	1.62 (41.1)	9/16

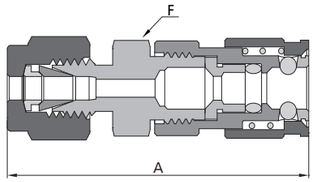
Bulkhead Tube Fitting



Tube Size in.	Basic Ordering Number	A	F	Min. Panel Hole in.(mm)	Max.Panel Thickness in.(mm)
		in. (mm)	in.		
1/8	QM-BFL2-B	2.09 (53.1)	7/16	0.33 (8.3)	0.25 (6.4)

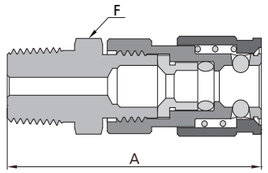
Full-flow bodies

Tube Fitting



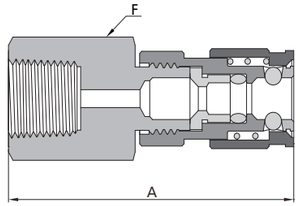
Tube Size in.	Basic Ordering Number	Flow Coefficient (Cv)	A	F
			in. (mm)	in.
1/16	QM-FL1-BF	0.06	1.50 (38.1)	7/16
1/8	QM-FL2-BF		1.70 (43.2)	

Male NPT



NPT Size in.	Basic Ordering Number	Flow Coefficient (Cv)	A	F
			in. (mm)	in.
1/16	QM-NS1-BF	0.06	1.42 (36.1)	7/16
1/8	QM-NS2-BF		1.44 (36.6)	

Female NPT



NPT Size in.	Basic Ordering Number	Flow Coefficient (Cv)	A	F
			in. (mm)	in.
1/16	QM-FNS1-BF	0.06	1.43 (36.3)	7/16
1/8	QM-FNS2-BF		1.62 (41.1)	9/16

Part Number Description

SS – QM – FL2 – S

Material		Series	End Connection Type		End Connection Size		Stem or Body	
SS	316 SS	QM	FNS	Female NPT	1	1/16"	S	Stem without valve remains open when uncoupled
B	Brass		NS	Male NPT	2	1/8"	D	Stem with valve shuts off when uncoupled
			FRT	Female BSPT			B	Body with valve shuts off when uncoupled
			RT	Male BSPT			BF	Full-flow body
			FL	Fractional Tube Fitting				
			ML	Metric Tube Adapter				

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2. Dimensions are for reference only and are subject to change.

Note: "Part Number Description" is used for composition rules of FITOK product model, Not suitable for specific product part number selection, not random combinations. If in doubt, please contact FITOK company or authorized agents.