

Quick Connects

Contents

QC Series



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QF Series



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QV Series



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QM Series



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QTM Series



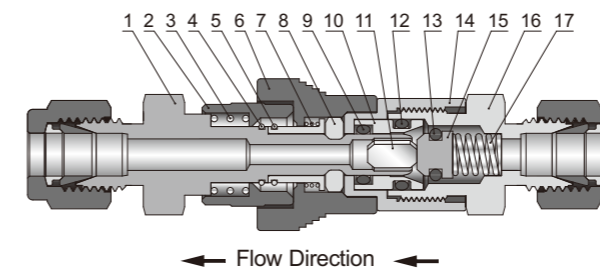
D-48

QC Series

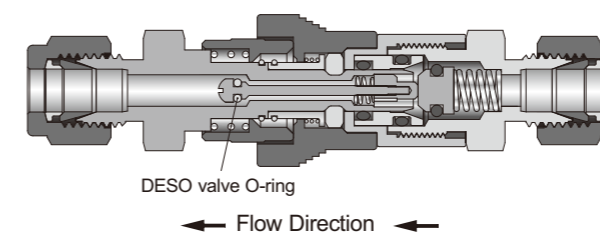
Features

- Working pressure up to: 3000 psig (207 bar)
- Materials: Stainless steel or brass
- Reliable, leak-tight O-ring seal for vacuum or pressure systems
- Interchangeable with other key manufacturers' products
- Single-end shutoff, double-end shutoff and full-Fow model available
- Push-to-connect coupling to enable quick and easy operation
- Locking mechanism with large contact area to ensure reliable stem retainment
- Stem protector, body protector and keyed options available

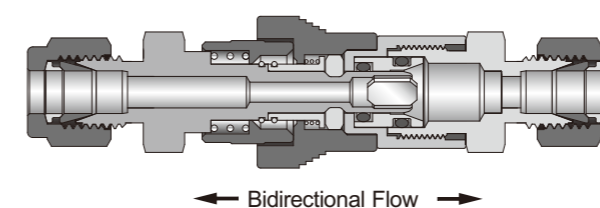
Single-end Shutoff (SESO)



Double-end Shutoff (DESO) - Red Stem Sleeve



Full-Fow Quick-Connects



Standard Materials of Construction

| Item | Component | Stainless Steel | Brass |
|------|------------------|-------------------------------------|------------------------------|
| | | Material Grade/ASTM Specification | |
| 1 | Stem | 316 SS/A479 | Brass C36000/B16 |
| 2 | DESO stem sleeve | PTFE-coated 316L SS/A479 | PTFE-coated Brass C36000/B16 |
| | SESO stem sleeve | 316L SS/A479 | Brass C36000/B16 |
| 3 | Springs | 316 SS/A313 | |
| 4 | Snap rings | 316 SS/A313 | |
| 5 | | | |
| 6 | Body sleeve | 316L SS/A479 | Brass C36000/B16 |
| 7 | Springs | 316 SS/A313 | |
| 8 | Locking dogs | Xylan®-coated 316 SS powdered metal | |
| 9 | O-rings | Fluorocarbon FKM | Buna N |
| 10 | Sliding sleeve | 316 SS/A479 | Brass C36000/B16 |
| 11 | SESO stem insert | 316 SS/A240 | Brass C26000/B36 |
| 12 | O-rings | Fluorocarbon FKM | Buna N |
| 13 | O-rings | Fluorocarbon FKM | Buna N |
| 14 | Housing | 316L SS/A479 | Brass C36000/B16 |
| 15 | Plug | 316 SS/A479 | Brass C36000/B16 |
| 16 | Body | 316 SS/A479 | Brass C36000/B16 |
| 17 | Springs | 316 SS/A313 | |
| 18 | Lubricants | Silicone-based | |

Insertion Depth

| Series | Insertion Depth | |
|--------|-----------------|-------------|
| | SESO | DESO |
| | in. (mm) | in. (mm) |
| 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) |

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

Spillage and Air Inclusion

Spillage - the amount of system fluid that escapes when a quick-connect is uncoupled (DESO only)
Air Inclusion - the amount of air trapped between the body and stem that enters the system when a quick-connect is coupled (DESO only)

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

Pressure-Temperature Ratings

Pressure rating restrictions apply when coupling and uncoupling (DESO only). Refer to the tables below for specific data.

QC4 Series

| Material | 316 SS | | | Brass |
|---------------------|--|--------------------|-----------------------|------------|
| O-Ring Material | Fluorocarbon FKM | Ethylene propylene | Perfluoro-carbon FFKM | Buna N |
| Temperature °F (°C) | Pressure Rating, psig(bar) | | | |
| | Coupled | | | |
| -50 (-45) | — | 3000 (206) | — | — |
| 0 (-17) | 3000 (206) | 3000 (206) | 3000 (206) | 2000 (137) |
| 10 (-12) | 3000 (206) | 3000 (206) | 3000 (206) | 2000 (137) |
| 60 (15) | 3000 (206) | 3000 (206) | 3000 (206) | 2000 (137) |
| 100 (37) | 3000 (206) | 3000 (206) | 3000 (206) | 2000 (137) |
| 150 (65) | 2750 (189) | 2750 (189) | 2750 (189) | 1300 (895) |
| 200 (93) | 2300 (158) | 2300 (158) | 2300 (158) | 700 (48) |
| 250 (121) | 1850 (127) | 1850 (127) | 1850 (127) | 300 (20.6) |
| 300 (148) | 1400 (96.4) | 1400 (96.4) | 1400 (96.4) | — |
| 350 (176) | 950 (65.4) | — | 950 (65.4) | — |
| 400 (204) | 500 (34.4) | — | 500 (34.4) | — |
| 500 (260) | — | — | 150 (10.3) | — |
| | Uncoupled and When Coupling and Uncoupling | | | |
| 70 (20) | 250 (17.2) | | | |

QC8 Series

| Material | 316 SS | | | Brass |
|---------------------|--|--------------------|-----------------------|------------|
| O-Ring Material | Fluorocarbon FKM | Ethylene propylene | Perfluoro-carbon FFKM | Buna N |
| Temperature °F (°C) | Pressure Rating, psig(bar) | | | |
| | Coupled | | | |
| -50 (-45) | — | 750 (51.6) | — | — |
| 0 (-17) | 750 (51.6) | 750 (51.6) | 750 (51.6) | 500 (34.4) |
| 10 (-12) | 750 (51.6) | 750 (51.6) | 750 (51.6) | 500 (34.4) |
| 60 (15) | 750 (51.6) | 750 (51.6) | 750 (51.6) | 500 (34.4) |
| 100 (37) | 750 (51.6) | 750 (51.6) | 750 (51.6) | 500 (34.4) |
| 150 (65) | 680 (46.8) | 680 (46.8) | 680 (46.8) | 400 (27.5) |
| 200 (93) | 600 (41.3) | 600 (41.3) | 600 (41.3) | 350 (24.1) |
| 250 (121) | 520 (35.8) | 520 (35.8) | 520 (35.8) | 300 (20.6) |
| 300 (148) | 440 (30.3) | 440 (30.3) | 440 (30.3) | — |
| 350 (176) | 360 (24.8) | — | 360 (24.8) | — |
| 400 (204) | 300 (20.6) | — | 300 (20.6) | — |
| 500 (260) | — | — | 150 (10.3) | — |
| | Uncoupled and When Coupling and Uncoupling | | | |
| 70 (20) | 250 (17.2) | | | |

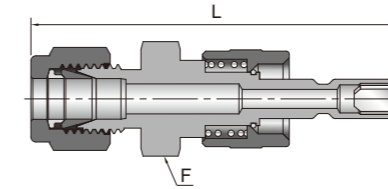
QC6 Series

| Material | 316 SS | | | Brass |
|---------------------|--|--------------------|-----------------------|-------------|
| O-Ring Material | Fluorocarbon FKM | Ethylene propylene | Perfluoro-carbon FFKM | Buna N |
| Temperature °F (°C) | Pressure Rating, psig(bar) | | | |
| | Coupled | | | |
| -50 (-45) | — | 1500 (103) | — | — |
| 0 (-17) | 1500 (103) | 1500 (103) | 1500 (103) | 1000 (68.9) |
| 10 (-12) | 1500 (103) | 1500 (103) | 1500 (103) | 1000 (68.9) |
| 60 (15) | 1500 (103) | 1500 (103) | 1500 (103) | 1000 (68.9) |
| 100 (37) | 1500 (103) | 1500 (103) | 1500 (103) | 1000 (68.9) |
| 150 (65) | 1350 (93.0) | 1350 (93.0) | 1350 (93.0) | 700 (48.2) |
| 200 (93) | 1150 (79.2) | 1150 (79.2) | 1150 (79.2) | 450 (31.0) |
| 250 (121) | 970 (66.8) | 970 (66.8) | 970 (66.8) | 300 (20.6) |
| 300 (148) | 750 (51.6) | 750 (51.6) | 750 (51.6) | — |
| 350 (176) | 580 (39.9) | — | 580 (39.9) | — |
| 400 (204) | 400 (27.5) | — | 400 (27.5) | — |
| 500 (260) | — | — | 150 (10.3) | — |
| | Uncoupled and When Coupling and Uncoupling | | | |
| 70 (20) | 250 (17.2) | | | |

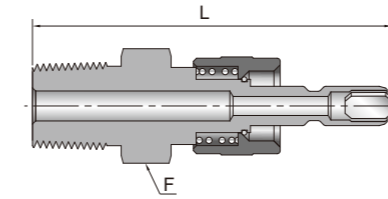
Dimensions

SESO Stems

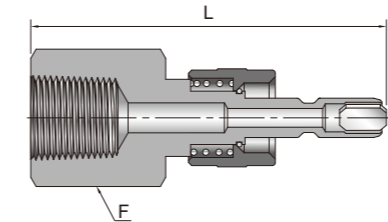
Tube Fitting



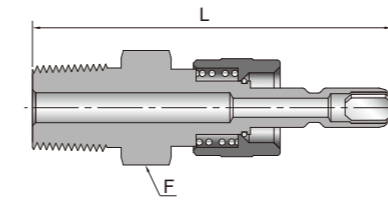
Male NPT



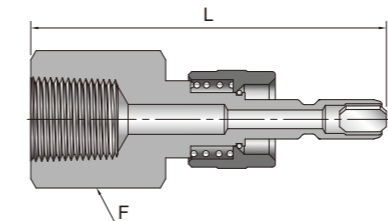
Female NPT



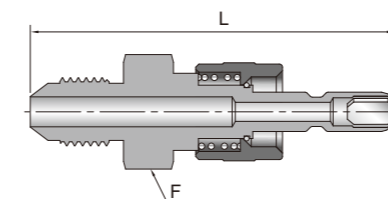
Male BSPT



Female BSPT



Male JIC(AN) 37° Flare



| Fitting Size in. | Basic Ordering Number | Flow Coefficient (Cv) | Dimensions | |
|------------------|-----------------------|-----------------------|------------|-------------|
| | | | F in. | L in. (mm) |
| 1/8 | -QC4-F2-S | 0.08 | 5/8 | 2.32 (58.9) |
| 1/4 | -QC4-F4-S | 0.3 | 5/8 | 2.36 (59.9) |
| 3/8 | -QC6-F6-S | 1.0 | 3/4 | 2.52 (64.0) |
| 1/2 | -QC8-F8-S | 2.4 | 15/16 | 2.96 (75.2) |
| mm | — | — | mm | mm (in.) |
| 6 | -QC4-F6M-S | 0.3 | 16 | 59.9 (2.36) |
| 10 | -QC6-F10M-S | 1.0 | 19 | 67.3 (2.65) |
| 12 | -QC8-F12M-S | 2.4 | 24 | 75.2 (2.96) |

| NPT Size in. | Basic Ordering Number | Flow Coefficient (Cv) | Dimensions | |
|--------------|-----------------------|-----------------------|------------|-------------|
| | | | F in. | L in. (mm) |
| 1/8 | -QC4-N2-S | 0.3 | 5/8 | 2.07 (52.6) |
| 1/4 | -QC4-N4-S | 0.3 | 5/8 | 2.22 (56.4) |
| 1/4 | -QC6-N4-S | 0.8 | 3/4 | 2.32 (58.9) |
| 3/8 | -QC6-N6-S | 0.8 | 3/4 | 2.35 (59.7) |
| 1/2 | -QC8-N8-S | 2.0 | 15/16 | 2.84 (72.1) |

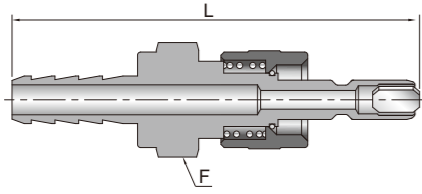
| NPT Size in. | Basic Ordering Number | Flow Coefficient (Cv) | Dimensions | |
|--------------|-----------------------|-----------------------|------------|-------------|
| | | | F in. | L in. (mm) |
| 1/8 | -QC4-FN2-S | 0.3 | 5/8 | 2.01 (51.1) |
| 1/4 | -QC4-FN4-S | 0.3 | 3/4 | 2.26 (57.4) |
| 1/4 | -QC6-FN4-S | 0.8 | 3/4 | 2.35 (59.7) |
| 3/8 | -QC6-FN6-S | 0.8 | 7/8 | 2.35 (59.7) |
| 1/2 | -QC8-FN8-S | 2.0 | 1 1/16 | 2.82 (71.6) |

| BSPT Size in. | Basic Ordering Number | Flow Coefficient (Cv) | Dimensions | |
|---------------|-----------------------|-----------------------|------------|-------------|
| | | | F in. | L 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) |

| BSPT Size in. | Basic Ordering Number | Flow Coefficient (Cv) | Dimensions | |
|---------------|-----------------------|-----------------------|------------|-------------|
| | | | F in. | L 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) |

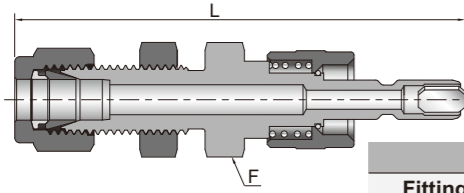
| Fitting Size in. | Basic Ordering Number | Flow Coefficient (Cv) | Dimensions | |
|------------------|-----------------------|-----------------------|------------|-------------|
| | | | F in. | L in. (mm) |
| 1/4 | -QC4-AN4-S | 0.2 | 5/8 | 2.23 (56.6) |
| 3/8 | -QC6-AN6-S | 1.0 | 3/4 | 2.35 (59.7)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

Hose Connector



| Hose Size in. | Basic Ordering Number | Flow Coefficient (Cv) | Dimensions | |
|---------------|-----------------------|-----------------------|------------|-------------|
| | | | F in. | L 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) |

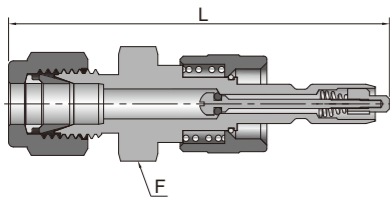
Bulkhead Tube Fitting



| Fitting Size in. | Basic Ordering Number | Flow Coefficient (Cv) | Dimensions | | Min. Panel Orifice in. (mm) | Max. Panel Thickness in. (mm) |
|------------------|-----------------------|-----------------------|------------|-------------|-----------------------------|-------------------------------|
| | | | F in. | L in. (mm) | | |
| 1/4 | -QC4-BF4-S | 0.3 | 5/8 | 2.74 (69.6) | 0.47 (11.9) | 0.25 (6.4) |
| 3/8 | -QC6-BF6-S | 1.0 | 3/4 | 2.92 (74.2) | 0.60 (15.2) | 0.27 (6.9) |
| 1/2 | -QC8-BF8-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-BF6M-S | 0.3 | 16 | 69.6 (2.74) | 11.7 (0.46) | 6.4 (0.25) |
| 10 | -QC6-BF10M-S | 1.0 | 22 | 77.7 (3.06) | 16.8 (0.66) | 6.9 (0.27) |
| 12 | -QC8-BF12M-S | 2.4 | 24 | 87.1 (3.43) | 19.6 (0.77) | 6.6 (0.26) |

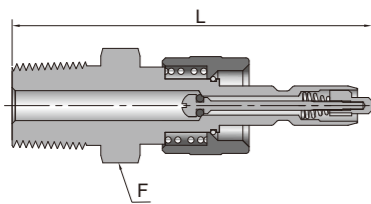
DESO Stems

Tube Fitting



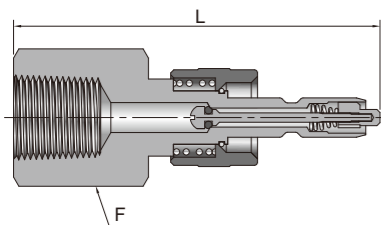
| Fitting Size in. | Basic Ordering Number | Flow Coefficient (Cv) | Dimensions | |
|------------------|-----------------------|-----------------------|------------|-------------|
| | | | F in. | L in. (mm) |
| 1/8 | -QC4-F2-D | 0.08 | 5/8 | 2.77 (70.4) |
| 1/4 | -QC4-F4-D | 0.2 | 5/8 | 2.42 (61.5) |
| 3/8 | -QC6-F6-D | 0.5 | 3/4 | 2.64 (67.1) |
| 1/2 | -QC8-F8-D | 1.5 | 15/16 | 3.16 (80.3) |
| mm | | | mm | mm (in.) |
| 6 | -QC4-F6M-D | 0.2 | 16 | 61.5 (2.42) |
| 10 | -QC6-F10M-D | 0.5 | 19 | 70.4 (2.77) |
| 12 | -QC8-F12M-D | 1.5 | 24 | 80.3 (3.16) |

Male NPT



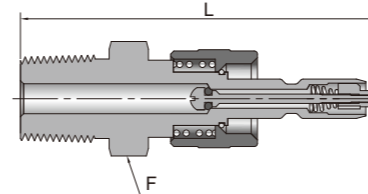
| NPT Size in. | Basic Ordering Number | Flow Coefficient (Cv) | Dimensions | |
|--------------|-----------------------|-----------------------|------------|-------------|
| | | | F in. | L in. (mm) |
| 1/8 | -QC4-N2-D | 0.2 | 5/8 | 2.13 (54.1) |
| 1/4 | -QC4-N4-D | 0.2 | 5/8 | 2.28 (57.8) |
| 1/4 | -QC6-N4-D | 0.5 | 3/4 | 2.44 (61.9) |
| 3/8 | -QC6-N6-D | 0.5 | 3/4 | 2.47 (62.7) |
| 1/2 | -QC8-N8-D | 1.3 | 15/16 | 3.04 (77.2) |

Female NPT



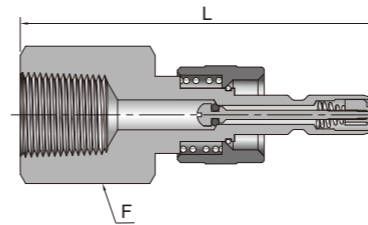
| NPT Size in. | Basic Ordering Number | Flow Coefficient (Cv) | Dimensions | |
|--------------|-----------------------|-----------------------|------------|-------------|
| | | | F in. | L in. (mm) |
| 1/8 | -QC4-FN2-D | 0.2 | 5/8 | 2.07 (52.6) |
| 1/4 | -QC4-FN4-D | 0.2 | 3/4 | 2.32 (58.9) |
| 1/4 | -QC6-FN4-D | 0.5 | 3/4 | 2.47 (62.7) |
| 3/8 | -QC6-FN6-D | 0.5 | 7/8 | 2.47 (62.7) |
| 1/2 | -QC8-FN8-D | 1.3 | 1 1/16 | 3.04 (77.2) |

Male BSPT



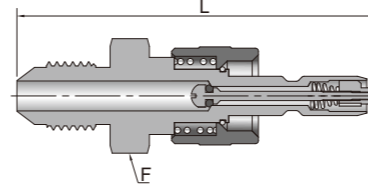
| BSPT Size in. | Basic Ordering Number | Flow Coefficient (Cv) | Dimensions | |
|---------------|-----------------------|-----------------------|------------|-------------|
| | | | F in. | L in. (mm) |
| 1/8 | -QC4-RT2-D | 0.2 | 5/8 | 2.13 (54.1) |
| 1/4 | -QC4-RT4-D | 0.2 | 5/8 | 2.28 (57.8) |
| 1/4 | -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



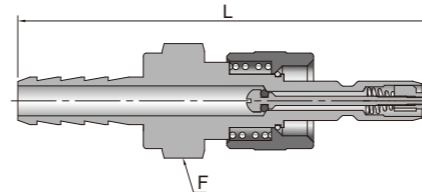
| BSPT Size in. | Basic Ordering Number | Flow Coefficient (Cv) | Dimensions | |
|---------------|-----------------------|-----------------------|------------|-------------|
| | | | F in. | L in. (mm) |
| 1/8 | -QC4-FRT2-D | 0.2 | 5/8 | 2.07 (52.6) |
| 1/4 | -QC4-FRT4-D | 0.2 | 3/4 | 2.32 (58.9) |
| 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



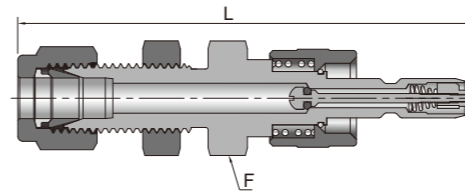
| Fitting Size in. | Basic Ordering Number | Flow Coefficient (Cv) | Dimensions | |
|------------------|-----------------------|-----------------------|------------|-------------|
| | | | F in. | L in. (mm) |
| 1/4 | -QC4-AN4-D | 0.2 | 5/8 | 2.29 (58.2) |
| 3/8 | -QC6-AN6-D | 0.5 | 3/4 | 2.47 (62.7)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

Hose Connector



| Hose Size in. | Basic Ordering Number | Flow Coefficient (Cv) | Dimensions | |
|---------------|-----------------------|-----------------------|------------|-------------|
| | | | F in. | L 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) |

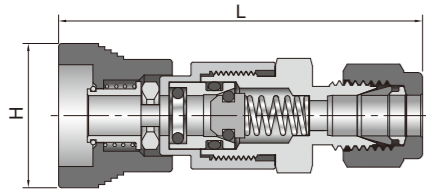
Bulkhead Tube Fitting



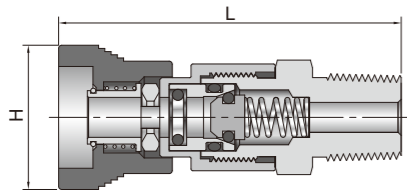
| Fitting Size in. | Basic Ordering Number | Flow Coefficient (Cv) | Dimensions | | Min. Panel Orifice in. (mm) | Max. Panel Thickness in. (mm) |
|------------------|-----------------------|-----------------------|------------|-------------|-----------------------------|-------------------------------|
| | | | F in. | L in. (mm) | | |
| 1/4 | -QC4-BF4-D | 0.2 | 5/8 | 2.80 (71.1) | 0.47 (11.9) | 0.25 (6.4) |
| 3/8 | -QC6-BF6-D | 0.5 | 3/4 | 3.07 (78.0) | 0.60 (15.2) | 0.27 (6.9) |
| 1/2 | -QC8-BF8-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-BF6M-D | 0.2 | 16 | 71.1 (2.80) | 11.7 (0.46) | 6.4 (0.25) |
| 10 | -QC6-BF10M-D | 0.5 | 22 | 78.7 (3.10) | 16.8 (0.66) | 6.9 (0.27) |
| 12 | -QC8-BF12M-D | 1.5 | 24 | 92.2 (3.63) | 19.6 (0.77) | 6.6 (0.26) |

Bodies

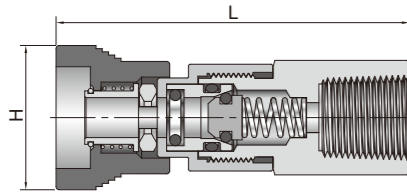
Tube Fitting



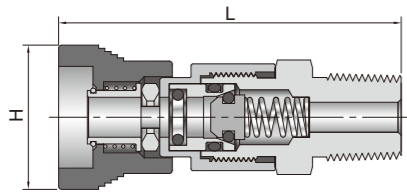
Male NPT



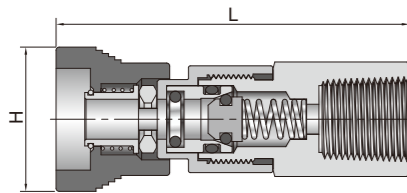
Female NPT



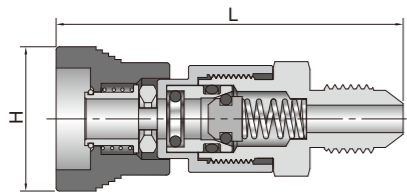
Male BSPT



Female BSPT



Male JIC (AN) 37° Flare



| Fitting Size in. | Basic Ordering Number | Dimensions | |
|------------------|-----------------------|-------------|-------------|
| | | H in. | L in. (mm) |
| 1/8 | -QC4-F2-B | 0.91 (23.1) | 2.26 (57.4) |
| 1/4 | -QC4-F4-B | 0.91 (23.1) | 2.30 (58.4) |
| 3/8 | -QC6-F6-B | 1.03 (26.2) | 2.58 (65.5) |
| 1/2 | -QC8-F8-B | 1.21 (30.7) | 3.09 (78.5) |
| mm | | mm (in.) | mm (in.) |
| 6 | -QC4-F6M-B | 23.1 (0.91) | 58.4 (2.30) |
| 10 | -QC6-F10M-B | 26.2 (1.03) | 68.1 (2.68) |
| 12 | -QC8-F12M-B | 30.7 (1.21) | 78.5 (3.09) |

| NPT Size in. | Basic Ordering Number | Dimensions | |
|--------------|-----------------------|-------------|-------------|
| | | H in. | L in. (mm) |
| 1/8 | -QC4-N2-B | 0.91 (23.1) | 2.01 (51.1) |
| 1/4 | -QC4-N4-B | 0.91 (23.1) | 2.16 (54.9) |
| 1/4 | -QC6-N4-B | 1.03 (26.2) | 2.38 (60.5) |
| 3/8 | -QC6-N6-B | 1.03 (26.2) | 2.38 (60.5) |
| 1/2 | -QC8-N8-B | 1.21 (30.7) | 2.97 (75.4) |

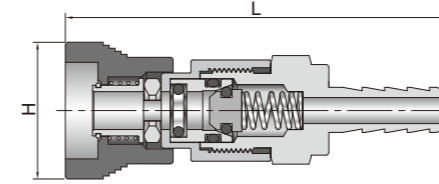
| NPT Size in. | Basic Ordering Number | Dimensions | |
|--------------|-----------------------|-------------|-------------|
| | | H in. | L in. (mm) |
| 1/8 | -QC4-FN2-B | 0.91 (23.1) | 2.16 (54.9) |
| 1/4 | -QC4-FN4-B | 0.91 (23.1) | 2.42 (61.5) |
| 1/4 | -QC6-FN4-B | 1.03 (26.2) | 2.54 (64.5) |
| 3/8 | -QC6-FN6-B | 1.03 (26.2) | 2.57 (65.3) |
| 1/2 | -QC8-FN8-B | 1.21 (30.7) | 3.22 (81.8) |

| BSPT Size in. | Basic Ordering Number | Dimensions | |
|---------------|-----------------------|-------------|-------------|
| | | H in. | L 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) |

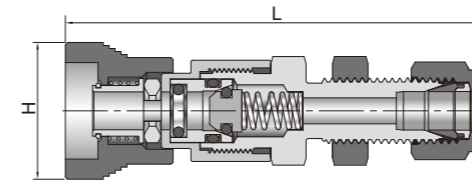
| BSPT Size in. | Basic Ordering Number | Dimensions | |
|---------------|-----------------------|-------------|-------------|
| | | H in. | L in. (mm) |
| 1/8 | -QC4-FRT2-B | 0.91 (23.1) | 2.16 (54.9) |
| 1/4 | -QC4-FRT4-B | 0.91 (23.1) | 2.42 (61.5) |
| 1/4 | -QC6-FRT4-B | 1.03 (26.2) | 2.54 (64.5) |
| 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) |

| Fitting Size in. | Basic Ordering Number | Dimensions | |
|------------------|-----------------------|-------------|-------------|
| | | H in. | L 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) |

Hose Connector

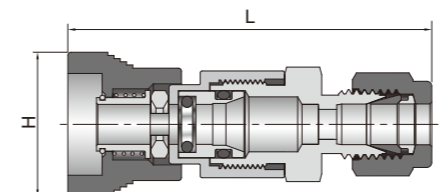


Bulkhead Tube Fitting

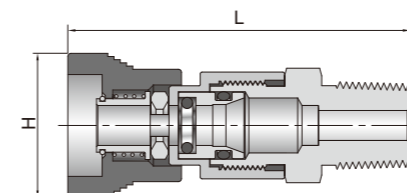


Full-Fow Bodies

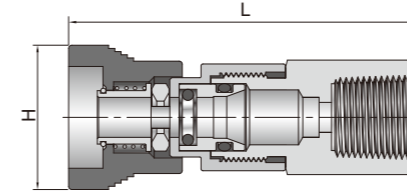
Tube Fitting



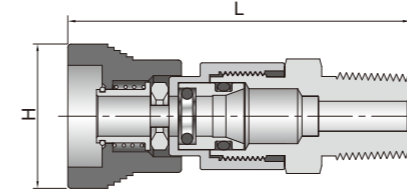
Male NPT



Female NPT



Male BSPT



| Hose Size in. | Basic Ordering Number | Dimensions | |
|---------------|-----------------------|-------------|-------------|
| | | H in. | L 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) |

| Fitting Size in. | Basic Ordering Number | Dimensions | | Min. Panel Orifice in. (mm) | Max. Panel Thickness in. (mm) |
|------------------|-----------------------|-------------|-------------|-----------------------------|-------------------------------|
| | | H in. | L in. (mm) | | |
| 1/4 | -QC4-BF4-B | 0.91 (23.1) | 2.67 (67.8) | 0.47 (11.9) | 0.25 (6.4) |
| 3/8 | -QC6-BF6-B | 1.03 (26.2) | 2.98 (75.7) | 0.60 (15.2) | 0.27 (6.9) |
| 1/2 | -QC8-BF8-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-BF6M-B | 23.1 (0.91) | 67.8 (2.67) | 11.7 (0.46) | 6.4 (0.25) |
| 10 | -QC6-BF10M-B | 26.2 (1.03) | 75.9 (2.99) | 16.8 (0.66) | 6.9 (0.27) |
| 12 | -QC8-BF12M-B | 30.7 (1.21) | 90.4 (3.56) | 19.6 (0.77) | 6.6 (0.26) |

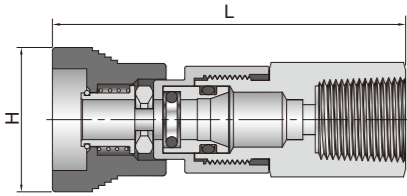
| Fitting Size in. | Basic Ordering Number | Dimensions | |
|------------------|-----------------------|-------------|-------------|
| | | H in. | L in. (mm) |
| 1/8 | -QC4-F2-F | 0.91 (23.1) | 2.26 (57.4) |
| 1/4 | -QC4-F4-F | 0.91 (23.1) | 2.30 (58.4) |
| 3/8 | -QC6-F6-F | 1.03 (26.2) | 2.58 (65.5) |
| 1/2 | -QC8-F8-F | 1.21 (30.7) | 3.09 (78.5) |
| mm | | mm (in.) | mm (in.) |
| 6 | -QC4-F6M-F | 23.1 (0.91) | 58.4 (2.30) |
| 10 | -QC6-F10M-F | 26.2 (1.03) | 68.1 (2.68) |
| 12 | -QC8-F12M-F | 30.7 (1.21) | 78.5 (3.09) |

| NPT Size in. | Basic Ordering Number | Dimensions | |
|--------------|-----------------------|-------------|-------------|
| | | H in. | L in. (mm) |
| 1/8 | -QC4-N2-F | 0.91 (23.1) | 2.01 (51.1) |
| 1/4 | -QC4-N4-F | 0.91 (23.1) | 2.16 (54.9) |
| 1/4 | -QC6-N4-F | 1.03 (26.2) | 2.38 (60.5) |
| 3/8 | -QC6-N6-F | 1.03 (26.2) | 2.38 (60.5) |
| 1/2 | -QC8-N8-F | 1.21 (30.7) | 2.97 (75.4) |

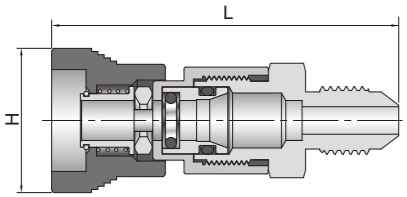
| NPT Size in. | Basic Ordering Number | Dimensions | |
|--------------|-----------------------|-------------|-------------|
| | | H in. | L in. (mm) |
| 1/8 | -QC4-FN2-F | 0.91 (23.1) | 2.16 (54.9) |
| 1/4 | -QC4-FN4-F | 0.91 (23.1) | 2.42 (61.5) |
| 1/4 | -QC6-FN4-F | 1.03 (26.2) | 2.54 (65.4) |
| 3/8 | -QC6-FN6-F | 1.03 (26.2) | 2.57 (65.3) |
| 1/2 | -QC8-FN8-F | 1.21 (30.7) | 3.22 (81.8) |

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

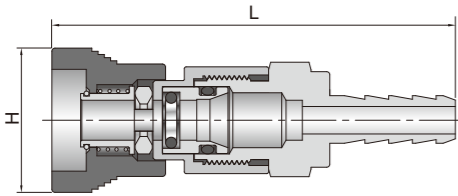
Female BSPT



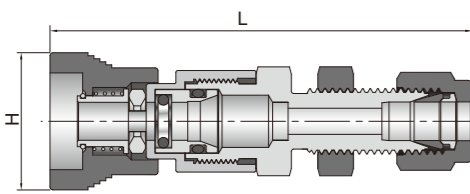
Male JIC (AN) 37° Flare



Hose Connector



Bulkhead Tube Fitting



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

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

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

| Fitting Size in. | Basic Ordering Number | Dimensions | | Min. Panel Orifice in. (mm) | Max. Panel Thickness in. (mm) |
|------------------|-----------------------|-------------|-------------|-----------------------------|-------------------------------|
| | | H in. | L in. (mm) | | |
| 1/4 | -QC4-BF4-F | 0.91 (23.1) | 2.67 (67.8) | 0.47 (11.9) | 0.25 (6.4) |
| 3/8 | -QC6-BF6-F | 1.03 (26.2) | 2.98 (75.7) | 0.60 (15.2) | 0.27 (6.9) |
| 1/2 | -QC8-BF8-F | 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-BF6M-F | 23.1 (0.91) | 67.8 (2.67) | 11.7 (0.46) | 6.4 (0.25) |
| 10 | -QC6-BF10M-F | 26.2 (1.03) | 75.9 (2.99) | 16.8 (0.66) | 6.9 (0.27) |
| 12 | -QC8-BF12M-F | 30.7 (1.21) | 90.4 (3.56) | 19.6 (0.77) | 6.6 (0.26) |

Options, QC Series

Keyed QC Series

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

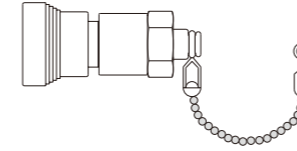
QC Series Key Numbers and Sleeve Outside Diameters

| Key Number | 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) |

Stem and Body Protector

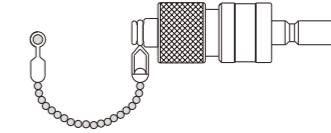
Stem and body protector can prevent the stem and the body from being damaged and polluted when uncoupling.

Stem Protector



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

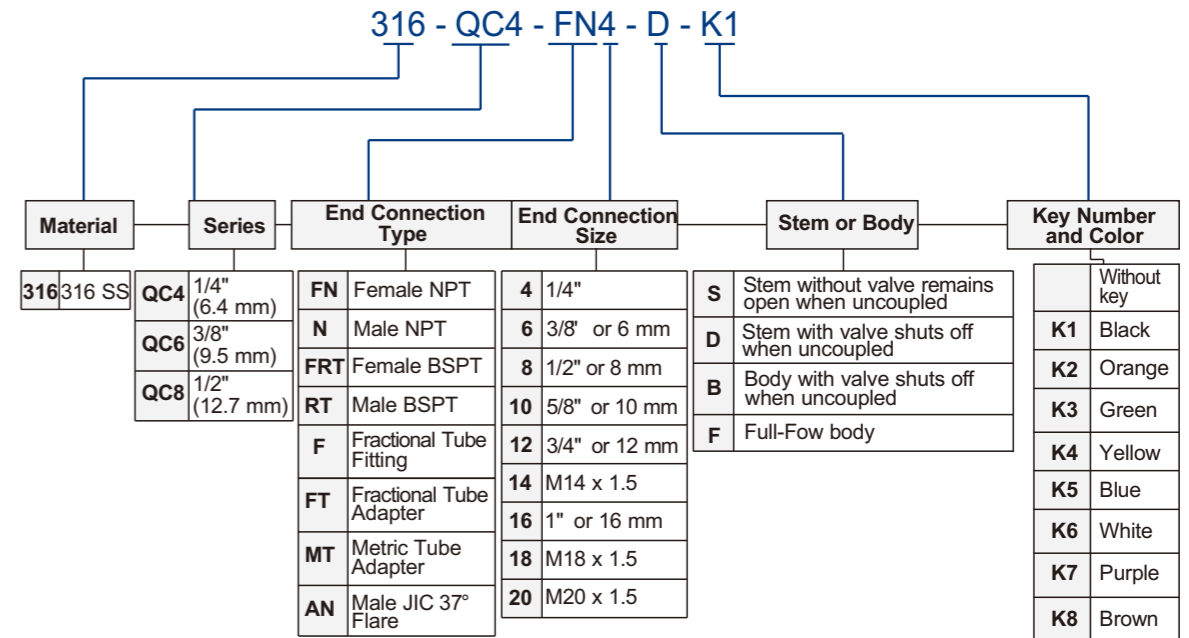
Body Protector



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

- Ordering number description of the protector: material designator (316 refers to 316 stainless steel) + basic ordering number. Example: **316-QC4-BP**
- Ordering number description of the keyed protector: material designator (316 refers to 316 stainless steel) + basic ordering number+key number. Example: **316-QC4-BP-K2**
- The protector is not a pressure sustaining device. To order pressure sustaining device, please contact XINVAL Group or our authorized distributors.

Ordering Number Description



Note: 1. "Ordering Number Description" is a reference to understand the combination rules of XINVAL product part number. Not all combinations are available.
2. Dimensions are for reference only and are subject to change.