

- No tools required to couple and uncouple.
- Bi-directional flow design.
- Versatile options of both-end shutoff (DV), single-end shutoff (SV), and both end open (DF Series).

- DQ Series Quick Connector : 1 to 5 page
- DQM Series Miniature Quick Connector : 6 page
- DF Series Full Flow Quick Connector : 7 to 8 page

DQ Series Quick Connectors



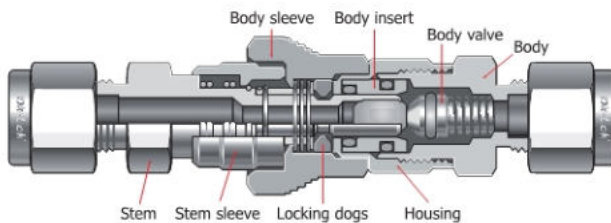
Features

- Bi-directional flow design.
- Simple to operate.
- SS316 construction with standard FKM O-ring.
- Brass construction with standard NBR O-ring.
- No tools required to couple and uncouple.
- Compact and light-weight design.

Operation

- Coupling
 1. Align the stem with the body in the identical Series.
 2. Push the stem into the body until it clicks.
- Uncoupling
 1. Pull the body sleeve toward stem.
 2. Remove stem from body.
- Do not couple or uncouple at pressures exceeding 250 psig (17.2 bar).

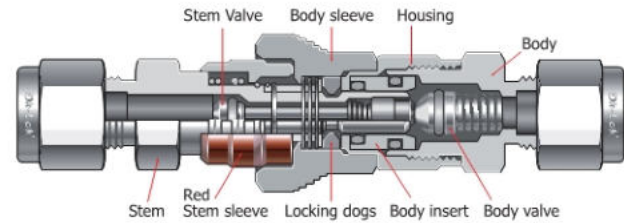
SV: Single valve coupled



← **Bi-Directional Flow** →

Stem has no valve

DV: Double valve coupled



← **Bi-Directional Flow** →

Stem has valve

Materials of Construction

| Component | Material | |
|---|-----------------------------|--------------------|
| | SS316 | Brass |
| Body, Housing Body valve Body insert Body sleeve | SS316/ ASTM A276 | JIS H3250 C3604 |
| Locking dogs | Xylan™-coated SS316 powered | |
| Stem Stem sleeve Stem valve | SS316 / ASTM A276 | JIS H3250 C3604 |
| O-rings | FKM | NBR |
| Springs | SS302/ASTM A313 | |
| Lubricants | Silicon and TFE based | |

Wetted parts indicated in blue.

Pressure-Temperature Ratings

| DQ Stem and Body | SS316 FKM O-rings | | | Brass NBR O-rings | | |
|------------------------------|-------------------------|-------------------------|-------------------------|-------------------------|--------------------------|-------------------------|
| | DQA | DQB | DQC | DQA | DQB | DQC |
| | psi (bar) @ °F (°C) | | | | | |
| Coupled | 3000 (206) @ 70 (21) | 1500 (103) @ 70 (21) | 750 (51.6) @ 70 (21) | 2000 (137) @ 70 (21) | 1000 (68.9) @ 70 (21) | 500 (34.4) @ 70 (21) |
| | 250 (17.2) @ 400 (204) | | | 250 (17.2) @ 250 (121) | | |
| Uncoupled | 250 (17.2) @ 70 (21) | | | | | |
| When coupling and uncoupling | 250 (17.2) @ 70 (21) | | | | | |

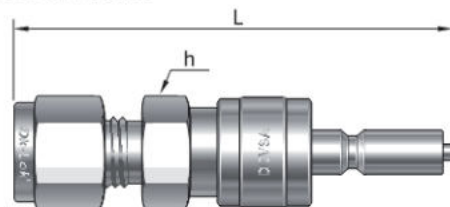
Spillage and Air Inclusion

- Spillage is the volume of system fluid that escapes while a quick connector is uncoupled.
- Air inclusion is the volume of air trapped that comes in while a quick connector is coupled.

unit : cm³

| DQ Series | Spillage | Air Inclusion |
|-----------|----------|---------------|
| DQ A | 0.3 | 0.3 |
| DQ B | 1.0 | 1.0 |
| DQ C | 3.0 | 3.0 |

Ordering Information and Dimensions Stems

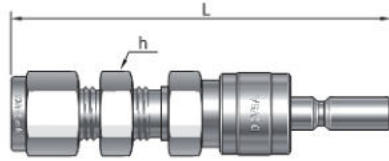


DV : Stem has a valve
SV : Stem has no valve

| Series | End Connection | Basic Ordering Number | | Cv | | | L mm (in.) | | h Hex. in. |
|--------|--------------------|-----------------------|--------------|------|------|-----------|-------------|-------------|------------|
| | | SV | DV | SV | DV | Full Flow | SV | DV | |
| DQA | 1/8 in. DK-Lok | DQSA-D-2T- | DQVSA-D-2T- | 0.08 | 0.08 | 0.08 | 58.9 (2.32) | 70.4 (2.77) | 5/8 |
| | 1/4 in. DK-Lok | DQSA-D-4T- | DQVSA-D-4T- | 0.3 | 0.2 | 0.4 | 59.9 (2.36) | 61.5 (2.42) | 5/8 |
| | 6 mm DK-Lok | DQSA-D-6M- | DQVSA-D-6M- | 0.3 | 0.2 | 0.4 | 59.9 (2.36) | 61.5 (2.42) | 5/8 |
| | 1/8 in. Male NPT | DQSA-M-2N- | DQVSA-M-2N- | 0.3 | 0.2 | 0.4 | 52.6 (2.07) | 54.1 (2.13) | 5/8 |
| | 1/4 in. Male NPT | DQSA-M-4N- | DQVSA-M-4N- | 0.3 | 0.2 | 0.4 | 56.4 (2.22) | 57.9 (2.28) | 5/8 |
| | 1/8 in. Female NPT | DQSA-F-2N- | DQVSA-F-2N- | 0.3 | 0.2 | 0.4 | 51.1 (2.01) | 52.6 (2.07) | 5/8 |
| | 1/4 in. Female NPT | DQSA-F-4N- | DQVSA-F-4N- | 0.3 | 0.2 | 0.4 | 57.4 (2.26) | 58.9 (2.32) | 3/4 |
| DQB | 3/8 in. DK-Lok | DQSB-D-6T- | DQVSB-D-6T- | 1.0 | 0.5 | 1.5 | 64.0 (2.52) | 67.1 (2.64) | 3/4 |
| | 10 mm DK-Lok | DQSB-D-10M- | DQVSB-D-10M- | 1.0 | 0.5 | 1.5 | 67.3 (2.65) | 70.4 (2.77) | 3/4 |
| | 1/4 in. Male NPT | DQSB-M-4N- | DQVSB-M-4N- | 0.9 | 0.5 | 1.5 | 58.9 (2.32) | 61.9 (2.44) | 3/4 |
| | 3/8 in. Male NPT | DQSB-M-6N- | DQVSB-M-6N- | 0.8 | 0.5 | 1.6 | 59.7 (2.35) | 62.7 (2.47) | 3/4 |
| | 1/4 in. Female NPT | DQSB-F-4N- | DQVSB-F-4N- | 0.9 | 0.5 | 1.5 | 59.7 (2.35) | 62.7 (2.47) | 3/4 |
| | 3/8 in. Female NPT | DQSB-F-6N- | DQVSB-F-6N- | 0.8 | 0.5 | 1.6 | 59.7 (2.35) | 62.7 (2.47) | 7/8 |
| DQC | 1/2 in. DK-Lok | DQSC-D-8T- | DQVSC-D-8T- | 2.4 | 1.5 | 3.3 | 75.2 (2.96) | 80.3 (3.16) | 15/16 |
| | 12 mm DK-Lok | DQSC-D-12M- | DQVSC-D-12M- | 2.4 | 1.5 | 3.3 | 75.2 (2.96) | 60.3 (3.16) | 15/16 |
| | 1/2 in. Male NPT | DQSC-M-8N- | DQVSC-M-8N- | 2.0 | 1.3 | 3.1 | 72.1 (2.84) | 77.2 (3.04) | 15/16 |
| | 1/2 in. Female NPT | DQSC-F-8N- | DQVSC-F-8N- | 2.0 | 1.3 | 3.1 | 71.6 (2.82) | 76.7 (3.02) | 1 1/16 |

IDK-LOK® Quick Connectors

Stems-Bulkhead



DV : Stem has a valve
SV : Stem has no valve

| Series | End Connection | Basic Ordering Number | | Panel Thickness Max. mm (in.) | Panel Hole Dia. Min. mm (in.) | L mm (in.) | | h Hex. in. |
|--------|----------------|-----------------------|-----------------|----------------------------------|----------------------------------|-------------|-------------|---------------|
| | | SV | DV | | | SV | DV | |
| DQA | 1/4 in. DK-Lok | DQSA-BH-D-4T- | DQVSA-BH-D-4T- | 6.4 (0.25) | 11.9 (15/32) | 69.6 (2.74) | 71.1 (2.80) | 5/8 |
| | 6 mm DK-Lok | DQSA-BH-D-6M- | DQVSA-BH-D-6M- | 6.4 (0.25) | 11.5 (29/64) | 69.6 (2.74) | 71.1 (2.80) | 16 mm |
| DQB | 3/8 in. DK-Lok | DQSB-BH-D-6T- | DQVSB-BH-D-6T- | 6.9 (0.27) | 15.1 (19/32) | 74.2 (2.92) | 76.0 (3.07) | 3/4 |
| | 10 mm DK-Lok | DQSB-BH-D-10M- | DQVSB-BH-D-10M- | 6.9 (0.27) | 16.7 (21/32) | 77.7 (3.06) | 78.7 (3.10) | 22 mm |
| DQC | 1/2 in. DK-Lok | DQSC-BH-D-8T- | DQVSC-BH-D-8T- | 6.6 (0.26) | 19.8 (25/32) | 87.1 (3.43) | 92.2 (3.63) | 15/16 |
| | 12 mm DK-Lok | DQSC-BH-D-12M- | DQVSC-BH-D-12M- | 6.6 (0.26) | 19.4 (49/64) | 87.1 (3.43) | 92.2 (3.63) | 24 mm |

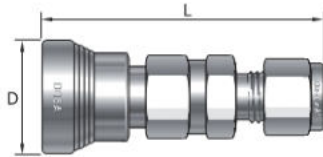
Insertion depth and Overall length

To have an overall length in coupled position, subtract the insertion depth from the combination length of the stem and the body.

Insertion Depth

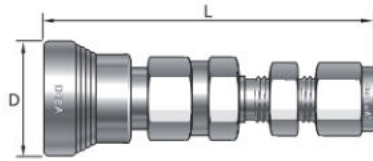
| DQ Series | Depth mm (in.) | |
|-----------|----------------|-------------|
| | SV | DV |
| DQA | 27.7 (1.09) | 29.2 (1.15) |
| DQB | 30.0 (1.18) | 33.0 (1.30) |
| DQC | 37.6 (1.48) | 42.7 (1.68) |

Bodies



| Series | End Connection | Basic Ordering Number | L mm (in.) | D mm (in.) |
|--------|--------------------|-----------------------|-------------|-------------|
| DQA | 1/8 in. DK-Lok | DQBA-D-2T- | 57.4 (2.26) | 23.1 (0.91) |
| | 1/4 in. DK-Lok | DQBA-D-4T- | 56.4 (2.30) | 23.1 (0.91) |
| | 6 mm DK-Lok | DQBA-D-6M- | 58.4 (2.30) | 23.1 (0.91) |
| | 1/8 in. Male NPT | DQBA-M-2N- | 51.1 (2.01) | 23.1 (0.91) |
| | 1/4 in. Male NPT | DQBA-M-4N- | 54.9 (2.16) | 23.1 (0.91) |
| | 1/4 in. Male ISO | DQBA-M-4R- | 54.9 (2.16) | 23.1 (0.91) |
| | 1/8 in. Female NPT | DQBA-F-2N- | 54.9 (2.16) | 23.1 (0.91) |
| | 1/4 in. Female NPT | DQBA-F-4N- | 61.5 (2.42) | 23.1 (0.91) |
| | 1/4 in. Female ISO | DQBA-F-4R- | 61.5 (2.42) | 23.1 (0.91) |
| DQB | 3/8 in. DK-Lok | DQBB-D-6T- | 65.5 (2.58) | 26.2 (1.03) |
| | 10 mm DK-Lok | DQBB-D-10M- | 68.1 (2.68) | 26.2 (1.03) |
| | 1/4 in. Male NPT | DQBB-M-4N- | 60.5 (2.38) | 26.2 (1.03) |
| | 3/8 in. Male NPT | DQBB-M-6N- | 60.5 (2.38) | 26.2 (1.03) |
| | 3/8 in. Male ISO | DQBB-M-6R- | 60.5 (2.38) | 26.2 (1.03) |
| | 1/4 in. Female NPT | DQBB-F-4N- | 64.5 (2.54) | 26.2 (1.03) |
| | 3/8 in. Female NPT | DQBB-F-6N- | 65.3 (2.57) | 26.2 (1.03) |
| | 3/8 in. Female ISO | DQBB-F-6R- | 65.3 (2.57) | 26.2 (1.03) |
| DQC | 1/2 in. DK-Lok | DQBC-D-8T- | 78.5 (3.09) | 30.7 (1.21) |
| | 12 mm DK-Lok | DQBC-D-12M- | 78.5 (3.09) | 30.7 (1.21) |
| | 1/2 in. Male NPT | DQBC-M-8N- | 75.4 (2.97) | 30.7 (1.21) |
| | 1/2 in. Male ISO | DQBC-M-8R- | 75.4 (2.97) | 30.7 (1.21) |
| | 1/2 in. Female NPT | DQBC-F-8N- | 81.8 (3.22) | 30.7 (1.21) |
| | 1/2 in. Female ISO | DQBC-F-8R- | 81.8 (3.22) | 30.7 (1.21) |

Bodies-Bulkhead



| Series | End Connection | Basic Ordering Number | Panel Thickness | Panel Hole Dia. | L | D |
|----------|----------------|-----------------------|-----------------|-----------------|-------------|-------------|
| | | | Max. | Min. | | |
| mm (in.) | | | | | | |
| DQA | 1/4 in. DK-Lok | DQBA-BH-D-4T- | 6.4 (0.25) | 11.9 (15/32) | 67.8 (2.67) | 23.1 (0.91) |
| | 6 mm DK-Lok | DQBA-BH-D-6M- | 6.4 (0.25) | 11.9 (15/32) | 67.8 (2.67) | 23.1 (0.91) |
| DQB | 3/8 in. DK-Lok | DQBB-BH-D-6T- | 6.9 (0.27) | 15.1 (19/32) | 75.7 (2.98) | 26.2 (1.03) |
| | 10 mm DK-Lok | DQBB-BH-D-10M- | 6.9 (0.27) | 16.7 (21/32) | 75.9 (2.99) | 26.2 (1.03) |
| DQC | 1/2 in. DK-Lok | DQBC-BH-D-8T- | 6.6 (0.26) | 19.8 (25/32) | 90.4 (3.56) | 30.7 (1.21) |
| | 12 mm DK-Lok | DQBC-BH-D-12M- | 6.6 (0.26) | 19.4 (49/64) | 90.4 (3.56) | 30.7 (1.21) |

How to Order

Add "SA" for SS316 or "BA" for Brass as a suffix to the Basic Ordering Number.
 Examples : DQSA-D-4T-SA, DQBA-D-4T-BA.

O-ring Designators

Nil : Standard FKM for SS316 quick connector
 Nil : Standard NBR for Brass quick connector
 FKM : VT
 NBR : BN
 FFKM : KZ
 EPDM : EP

How to Order an Optional O-ring Connector

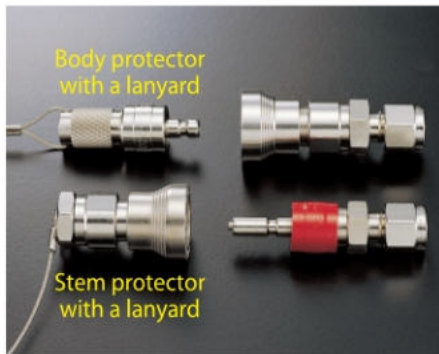
Insert O-ring designator to the basic ordering number.
 Examples: DQVSA-D-2T-KZ-SA, DQVSA-D-2T-EP-BA

How to Order a Full Flow DQ Series Connector

A full flow DQ series consists of a SV stem and a full flow body.

To order a full flow body, select an applicable Basic Ordering Number, add "FF" and a material designator.
 Examples : DQBA-D-4T-FF-SA, DQBB-D-6T-FF-SA.

Options



DQ Protectors

Body and Stem Protector are available to protect body and stem from damage and contamination while they are uncoupled.

Field Assembly Protector Ordering Number

| Stem Protector | Body Protector |
|----------------|----------------|
| DQSA-CP- | DQBA-PG- |
| DQSB-CP- | DQBB-PG- |
| DQSC-CP- | DQBC-PG- |

To complete ordering number, add a material designator "SA" for SS316, "BA" for Brass as a suffix to the protector ordering number.
 Examples : DQSA-CP-SA, DQBA-PG-BA

Note : Stem Protector is applicable to both SV stem and DV stem.

Pressure Retaining Protectors

DQ Protectors are not pressure retaining devices.
 To order the pressure retaining protector, add "P" as a suffix to the protector ordering number.
 Examples : DQSA-CP-P-, DQBA-PG-P-.

Materials of Construction

Protector: Stainless steel or Brass
 Lanyard: Stainless steel
 Lanyard clamp: Stainless steel

How to order FACTORY ASSEMBLED PROTECTOR on to DQ stem and body.

Select an applicable STEM or BODY ordering number, and insert "CP" or "PG" in the ordering number.
 Examples : DQVSC-D-12M-CP-SA, DQBC-D-12M-PG-SA.

DQ color coded “Keyed” quick connectors



Features

- DQ Keyed quick connectors prevent intermixing of different keys mechanically as well as allow visual identification by color coding.
- Eight (8) different keys on each DQ series are available with its own Key number.
- DQ keys are useful to control multi-fluid or multi-pressure systems.

Operation

- Select stem and body keyed in the same DQ series.
- Coupling : Align stem with body. Push stem into body until it clicks.
- Uncoupling : Pull body sleeve toward stem. Remove stem.

DQ Key Ordering Numbers and Sleeve Outside Diameter

| Key Number | Key Color | DQA | | | | DQB | | | | DQC | | | |
|------------------------------|-----------|-------------|------|-------------|------|-------------|------|-------------|------|-------------|------|-------------|------|
| | | Body Sleeve | | Stem Sleeve | | Body Sleeve | | Stem Sleeve | | Body Sleeve | | Stem Sleeve | |
| | | mm | inch | mm | inch | mm | inch | mm | inch | mm | inch | mm | inch |
| K1 | Black | 24.5 | 0.96 | 20.9 | 0.82 | 28.7 | 1.13 | 25.1 | 0.99 | 32.0 | 1.26 | 27.9 | 1.10 |
| K2 | Orange | 25.0 | 0.99 | 21.6 | 0.85 | 29.5 | 1.16 | 25.8 | 1.02 | 32.8 | 1.29 | 28.9 | 1.14 |
| K3 | Green | 26.0 | 1.02 | 22.4 | 0.88 | 30.2 | 1.19 | 26.6 | 1.05 | 33.6 | 1.32 | 29.7 | 1.17 |
| K4 | Yellow | 26.8 | 1.05 | 23.2 | 0.91 | 31.0 | 1.22 | 27.4 | 1.08 | 34.3 | 1.35 | 30.4 | 1.20 |
| K5 | Blue | 27.5 | 1.08 | 23.9 | 0.94 | 31.5 | 1.24 | 28.1 | 1.11 | 35.1 | 1.38 | 31.2 | 1.23 |
| K6 | White | 28.3 | 1.11 | 24.7 | 0.97 | 32.5 | 1.28 | 28.9 | 1.14 | 35.8 | 1.41 | 32.0 | 1.26 |
| K7 | Purple | 29.1 | 1.14 | 25.4 | 1.00 | 33.3 | 1.31 | 29.7 | 1.17 | 36.6 | 1.44 | 32.7 | 1.29 |
| K8 | Brown | 29.8 | 1.17 | 26.2 | 1.03 | 34.0 | 1.34 | 30.4 | 1.20 | 37.4 | 1.47 | 33.5 | 1.32 |
| Standard DQ Body Sleeve Dia. | | 23.1 | 0.91 | | | 26.2 | 1.03 | | | 30.7 | 1.21 | | |

How to Order

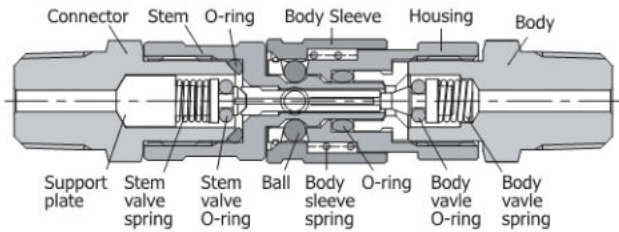
Add the Key number as a suffix to the DQ series Ordering Number.

Examples : DQSB-D-6T-K1-SA.

DQM Series Miniature Quick Connectors

Features

- Bi-directional flow design.
- Miniature design for max. 4000 psi working pressure.
- Stainless steel and brass construction.



← Bi-Directional Flow →

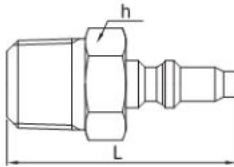
Materials of Construction

| Component | Material | |
|---|-----------------------|-----------------|
| | Stainless | Brass |
| Body, Housing, Stem, Connector, Body sleeve | SS316/ ASTM A276 | JIS H3250 C3604 |
| Support plate, Left & Right fin | Stainless Steel | |
| Body valve, Stem valve | SS316/ ASTM A276 | |
| Springs | SS302/ASTM A313 | |
| O-rings | FKM | NBR |
| Locking ball | SS316 | |
| Lubricants | Silicon and TFE based | |

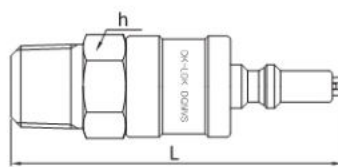
Wetted parts indicated in blue.

Ordering Information and Dimensions

Stems



SV : Stem has no valve

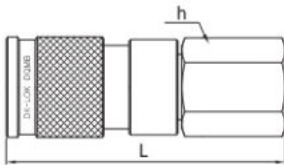


DV : Stem has a valve



| End Connection | Basic Ordering Number | | Cv | | | L mm (in.) | | h Hex. in. |
|---------------------|-----------------------|-------------|------|------|-----------|-------------|-------------|------------|
| | SV | DV | SV | DV | Full Flow | SV | DV | |
| 1/16 in. DK-LOK | DQMS-D-1T- | DQMVS-D-1T- | 0.06 | 0.05 | 0.06 | 30.0 (1.18) | 44.7 (1.76) | 7/16 |
| 1/16 in. Male NPT | DQMS-M-1N- | DQMVS-M-1N- | 0.06 | 0.05 | 0.06 | 26.2 (1.03) | 40.9 (1.61) | 7/16 |
| 1/16 in. Female NPT | DQMS-F-1N- | DQMVS-F-1N- | 0.06 | 0.05 | 0.06 | 26.2 (1.03) | 40.9 (1.61) | 7/16 |
| 1/8 in. DK-LOK | DQMS-D-2T- | DQMVS-D-2T- | 0.06 | 0.05 | 0.06 | 32.8 (1.29) | 47.5 (1.87) | 7/16 |
| 1/8 in. Male NPT | DQMS-M-2N- | DQMVS-M-2N- | 0.06 | 0.05 | 0.06 | 26.2 (1.03) | 40.9 (1.61) | 7/16 |
| 1/8 in. Female NPT | DQMS-F-2N- | DQMVS-F-2N- | 0.06 | 0.05 | 0.06 | 26.2 (1.03) | 46.0 (1.81) | 9/16 |

Body



| Basic Ordering Number | End Connection | L mm (in.) | h Hex. in. |
|-----------------------|---------------------|-------------|------------|
| DQMB-D-1T- | 1/16 in. DK-Lok | 38.1 (1.50) | 7/16 |
| DQMB-D-2T- | 1/8 in. DK-Lok | 43.2 (1.70) | 7/16 |
| DQMB-M-1N- | 1/16 in. Male NPT | 36.1 (1.42) | 7/16 |
| DQMB-M-2N- | 1/8 in. Male NPT | 36.6 (1.44) | 7/16 |
| DQMB-F-1N- | 1/16 in. Female NPT | 36.3 (1.43) | 7/16 |
| DQMB-F-2N- | 1/8 in. Female NPT | 41.1 (1.62) | 9/16 |
| DQMB-BH*-D-2T- | 1/8 in. DK-Lok | 53.1 (2.09) | 7/16 |

* BH : Bulkhead

How to Order a Full Flow DQM Quick Connector

A full flow DQM series consists of a SV stem and a full flow body.

To order a full flow body, select an applicable basic ordering number, add "FF" and a material designator. i.e., DQMB-D-2T-FF-SA

Pressure- Temperature Ratings

| DQM Stem and Body | SS316 FKM O-rings | Brass NBR O-rings |
|----------------------------|-------------------------------------|-----------------------|
| | Pressure Rating psi (bar) @ °F (°C) | |
| Coupled | 4000 (275) @ 70 (21) | 2000 (137) @ 70 (21) |
| | 100 (6.8) @ 400 (204) | 100 (6.8) @ 250 (121) |
| Uncoupled | 100 (6.8) @ 70 (21) | |
| When coupling & uncoupling | 100 (6.8) @ 70 (21) | |

Spillage and Air Inclusion 0.1 cm³

Insertion Depth SV : 11.9 mm (0.47 in.)
DV : 13.5 mm (0.53 in.)

Operation : To couple, to uncouple, pull body sleeve.

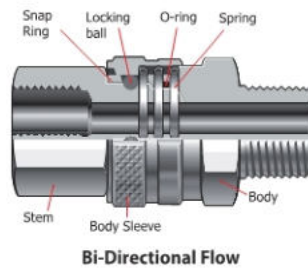
Insertion depth and Overall length

To have an overall length in coupled position, subtract the insertion depth from the combination length of the stem and the body.

How to Order

Add "SA" for SS316 or "BA" for brass as a suffix to the basic ordering number. Example : DQMS-D-1T-SA.

DF Series Full Flow Quick Connectors



Features

- Bi-directional flow design.
- Applicable to maximum flow
- Lowest pressure drop
- No tools required to connect & disconnect

Materials of Construction

| Component | Materials | |
|----------------------|---|-----------------|
| | SS316 | Brass |
| Body, Stem | SS316/ASTM A276 | JIS H3250 C3604 |
| Sleeve | | |
| Snap ring | SS316 | SS316 |
| Spring, Locking Ball | Stainless Steel | |
| O-ring | FKM | NBR |
| Lubricant | Silicon-based and PTFE-based lubricants | |

Wetted parts and lubrication are indicated in blue.

Cleaning and Packaging

Every connector is cleaned, and packed in a plastic sealing bag to keep them from dust, and then boxed for protection from damage during transportation and storage.

Operation

Coupling

1. Align stem with body.
2. Pull the body sleeve back completely.
3. Insert stem into body until it bottoms.
4. Return body sleeve to its original position.

Uncoupling

1. Pull the body sleeve back completely.
2. Remove stem from body.

Caution : Do not uncouple under pressure.

Note :

Couple the identical Series of stem and body.

Example : Any DFBA series body will fit any DFSA series stem.

Max. Pressure @ 410°F (210°C)

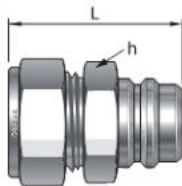
| DF Series | SS316 | Brass |
|-----------|------------|------------|
| | psig (bar) | psig (bar) |
| DFA | 6000 (413) | 4000 (275) |
| DFB | | 3000 (206) |
| DFC | 4000 (275) | 2000 (137) |
| DFD | | |

Max. Temperature Rating

| DF Materials | O-ring Material | Max. Temp. Rating | Pressure Rating @ Max. Temp. |
|--------------|-----------------|-------------------|------------------------------|
| SS316 | FKM | 400 F (204°C) | 100 psig (6.8 bar) |
| Brass | NBR | 250 F (121°C) | 100 psig (6.8 bar) |

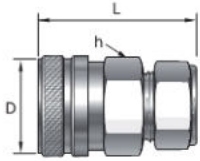
Ordering Information and Dimensions

Stems



| Basic Ordering Number | End Connection | Cv | Orifice Min. | L | h | |
|-----------------------|----------------|--------------------|--------------|-------------|-------------|--------|
| | | | mm (in.) | mm (in.) | in. | |
| DFSA- | D-4T- | 1/4 in. DK-Lok | 2.2 | 4.8 (0.19) | 45.0 (1.77) | 9/16 |
| | D-6T- | 3/8 in. DK-Lok | 2.8 | 6.1 (0.24) | 45.0 (1.77) | 11/16 |
| | D-6M- | 6 mm DK-Lok | 2.2 | 4.8 (0.19) | 45.0 (1.77) | 9/16 |
| | M-4N- | 1/4 in. Male NPT | 1.7 | 6.1 (0.24) | 40.4 (1.59) | 9/16 |
| | M-6N- | 3/8 in. Male NPT | 1.7 | 6.1 (0.24) | 40.4 (1.59) | 11/16 |
| | F-4N- | 1/4 in. Female NPT | 1.7 | 6.1 (0.24) | 40.6 (1.60) | 3/4 |
| DFSB- | F-6N- | 3/8 in. Female NPT | 1.7 | 6.1 (0.24) | 42.4 (1.67) | 7/8 |
| | D-6T- | 3/8 in. DK-Lok | 2.9 | 7.1 (0.28) | 47.8 (1.88) | 7/8 |
| | D-8T- | 1/2 in. DK-Lok | 13.0 | 10.4 (0.41) | 50.5 (1.99) | 7/8 |
| | M-6N- | 3/8 in. Male NPT | 7.1 | 10.4 (0.41) | 40.4 (1.59) | 7/8 |
| | M-8N- | 1/2 in. Male NPT | 11.5 | 12.7 (0.50) | 46.7 (1.84) | 7/8 |
| | F-6N- | 3/8 in. Female NPT | 7.1 | 11.9 (0.47) | 40.4 (1.59) | 1 1/16 |
| DFSC- | F-8N- | 1/2 in. Female NPT | 11.5 | 12.7 (0.50) | 46.2 (1.82) | 1 1/16 |
| | D-12T- | 3/4 in. DK-Lok | 26.0 | 15.7 (0.62) | 54.6 (2.15) | 1 1/16 |
| | M-12N- | 3/4 in. Male NPT | 23.6 | 18.3 (0.72) | 51.6 (2.03) | 1 1/16 |
| DFSD- | F-12N- | 3/4 in. Female NPT | 23.6 | 18.3 (0.72) | 52.8 (2.08) | 1 5/16 |
| | D-16T- | 1 in. DK-Lok | 45.0 | 22.4 (0.88) | 62.2 (2.45) | 1 3/8 |
| | M-16N- | 1 in. Male NPT | 39.0 | 22.4 (0.88) | 59.7 (2.35) | 1 3/8 |
| | F-16N- | 1 in. Female NPT | 39.0 | 22.4 (0.88) | 63.2 (2.49) | 1 5/8 |

Bodies



| Basic Ordering Number | End Connection | Orifice Min. | L | D | h | |
|-----------------------|----------------|--------------------|-------------|-------------|-------------|---------|
| | | | mm (in.) | | in. | |
| DFBA- | D-4T- | 1/4 in. DK-Lok | 4.8 (0.19) | 45.7 (1.80) | 22.1 (0.87) | 1 1/16 |
| | D-6T- | 3/8 in. DK-Lok | 7.1 (0.28) | 46.0 (1.81) | 22.1 (0.87) | 1 1/16 |
| | D-6M- | 6 mm DK-Lok | 4.8 (0.19) | 45.7 (1.80) | 22.1 (0.87) | 11/16 |
| | M-4N- | 1/4 in. Male NPT | 6.4 (0.25) | 39.9 (1.57) | 22.1 (0.87) | 11/16 |
| | M-6N- | 3/8 in. Male NPT | 9.4 (0.37) | 39.9 (1.57) | 22.1 (0.87) | 11/16 |
| | F-4N- | 1/4 in. Female NPT | 9.7 (0.38) | 38.1 (1.50) | 22.1 (0.87) | 3/4 |
| DFBB- | F-6N- | 3/8 in. Female NPT | 9.7 (0.38) | 41.4 (1.63) | 22.1 (0.87) | 7/8 |
| | D-6T- | 3/8 in. DK-Lok | 7.1 (0.28) | 55.1 (2.17) | 33.0 (1.30) | 1 1/16 |
| | D-8T- | 1/2 in. DK-Lok | 11.9 (0.47) | 56.6 (2.23) | 33.0 (1.30) | 1 1/16 |
| | M-6N- | 3/8 in. Male NPT | 10.4 (0.41) | 46.5 (1.83) | 33.0 (1.30) | 1 1/16 |
| | M-8N- | 1/2 in. Male NPT | 12.7 (0.50) | 52.8 (2.08) | 33.0 (1.30) | 1 1/16 |
| | F-6N- | 3/8 in. Female NPT | 15.0 (0.59) | 43.9 (1.73) | 33.0 (1.30) | 1 1/16 |
| DFBC- | F-8N- | 1/2 in. Female NPT | 16.0 (0.63) | 43.9 (1.73) | 33.0 (1.30) | 1 1/16 |
| | D-12T- | 3/4 in. DK-Lok | 15.7 (0.62) | 62.2 (2.45) | 42.2 (1.66) | 1 1/2 |
| | M-12N- | 3/4 in. Male NPT | 18.3 (0.72) | 59.2 (2.33) | 42.2 (1.66) | 1 1/2 |
| DFBD- | F-12N- | 3/4 in. Female NPT | 22.4 (0.88) | 48.0 (1.89) | 42.2 (1.66) | 1 1/2 |
| | D-16T- | 1 in. DK-Lok | 22.4 (0.88) | 69.9 (2.75) | 47.8 (1.88) | 1 11/16 |
| | M-16N- | 1 in. Male NPT | 22.4 (0.88) | 67.3 (2.65) | 47.8 (1.88) | 1 11/16 |
| | F-16N- | 1 in. Female NPT | 26.9 (1.06) | 53.8 (2.12) | 47.8 (1.88) | 1 11/16 |

DF Protectors

Body and Stem Protector are available to protect body and stem from damage and contamination while they are uncoupled.

Field Assembly Protector Ordering Number

| Stem Protector | Body Protector |
|----------------|----------------|
| DFSA-CP- | DFBA-PG- |
| DFSB-CP- | DFBB-PG- |
| DFSC-CP- | DFBC-PG- |
| DFSD-CP- | DFBD-PG- |

To complete ordering number, add a material designator "SA" for SS316, "BA" for Brass as a suffix to the protector ordering number.

Examples : DFSA-CP-SA, DFBA-PG-BA.

Insertion Depth

Unit : mm (in.)

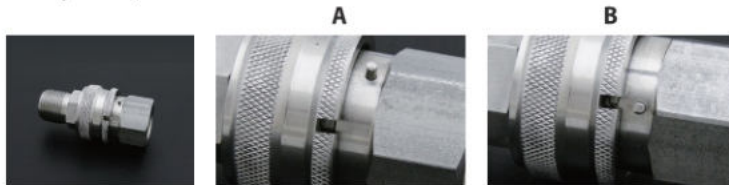
| DF Series | Depth |
|-----------|-------------|
| DFA | 19.8 (0.78) |
| DFB | 20.6 (0.81) |
| DFC | 22.9 (0.90) |
| DFD | 23.9 (0.94) |

How to order FACTORY ASSEMBLED PROTECTOR on to DF stem and body.

Select an applicable STEM or BODY ordering number, and insert "CP" or "PG" in the ordering number.

Examples : DFSA-D-4T-CP-SA, DFBA-D-4T-PG-SA

Safety Pin Option on DF series



A. A safety pin on body with a holding groove on sleeve prevents accidental uncoupling.

B. To Uncouple, rotate body sleeve for the pin to fit into the groove and pull the body sleeve back.

To order Safety Pin DF body, insert "P" in the ordering number. Example: DFBC-D-12T-P-SA

All dimensions shown are for reference only and subject to change. Dimensions with DK-Lok Tube Fitting are finger-tight position. We reserve the right to change specification stated in this catalog for our continuing program of product improvement.