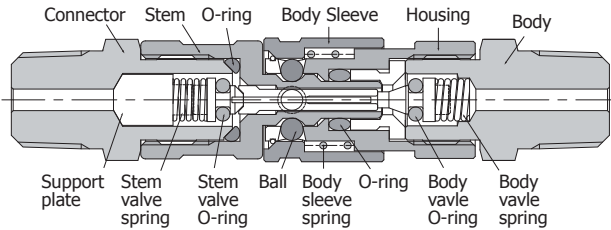


DQM Series Miniature Quick Connectors

Features

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



← Bi-Directional Flow →

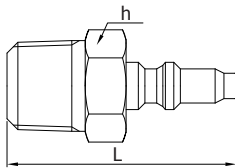
Materials of Construction

| 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 | |

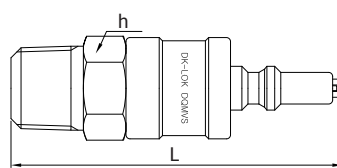
Wetted parts indicated in blue.

Ordering Information and Dimensions

Stems



SV : Stem has no valve

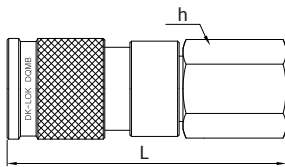


DV : Stem has a valve



| 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.