

# Series KQG

## Dimensions

### Male Connector: KQGH



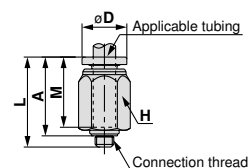
| Applicable tubing O.D. (mm) | Connection thread R | Model      | H (Width across flats) | Note 1) $\phi D$ | L    | A*   | M    | Effective area (mm <sup>2</sup> )<br>Note 2) | Weight (g) |
|-----------------------------|---------------------|------------|------------------------|------------------|------|------|------|----------------------------------------------|------------|
| $\phi 4$                    | M5 x 0.8            | KQGH04-M5  | 10                     | 10               | 22.3 | 19.3 | 18   | 4                                            | 7.4        |
|                             | 1/8                 | KQGH04-01S |                        |                  | 24   | 20   |      | 5.6                                          | 9.4        |
| $\phi 6$                    | M5 x 0.8            | KQGH06-M5  | 12                     | 12               | 24.1 | 21.1 | 18.8 | 4                                            | 11         |
|                             | 1/8                 | KQGH06-01S |                        |                  | 24.3 | 20.3 |      | 10.4                                         | 11         |
|                             | 1/4                 | KQGH06-02S |                        |                  | 25.8 | 19.8 |      | 18                                           | 18         |
| $\phi 8$                    | 1/8                 | KQGH08-01S | 14                     | 14               | 30.5 | 26.5 | 20.9 | 26.1                                         | 18         |
|                             | 1/4                 | KQGH08-02S |                        |                  | 28.5 | 22.5 |      | 18                                           | 18         |
|                             | 3/8                 | KQGH08-03S |                        |                  | 24   | 17.7 |      | 24                                           | 24         |
| $\phi 10$                   | 1/4                 | KQGH10-02S | 17                     | 17               | 35.5 | 29.5 | 23   | 41.5                                         | 29         |
|                             | 3/8                 | KQGH10-03S |                        |                  | 31   | 24.7 |      | 29                                           | 29         |
| $\phi 12$                   | 3/8                 | KQGH12-03S | 19                     | 19               | 32.8 | 26.5 | 24.8 | 58.3                                         | 31         |
|                             | 1/2                 | KQGH12-04S | 22                     |                  |      | 24.6 |      | 51                                           | 51         |

\* Reference dimensions after installation of R thread

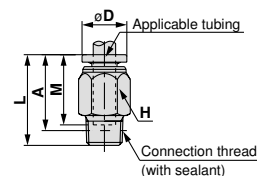
Note 1)  $\phi D$  is maximum diameter.

Note 2) Figures shown when using FEP tubing

(In case of M5)



(In case of R)



### Hexagon Socket Head Male Connector: KQGS



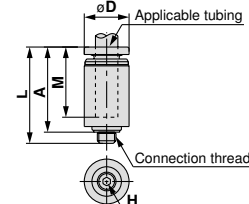
| Applicable<br>tubing O.D.<br>(mm) | Connection<br>thread<br>R | Model      | H<br>(Width<br>across flats) | Note 1)<br>øD | L    | A*   | M    | Effective<br>area<br><small>Note 2)</small><br>(mm²) | Weight<br>(g) |
|-----------------------------------|---------------------------|------------|------------------------------|---------------|------|------|------|------------------------------------------------------|---------------|
| ø4                                | M5 x 0.8                  | KQGS04-M5  | 2                            | 10            | 25   | 22   | 18   | 4                                                    | 8.6           |
|                                   | 1/8                       | KQGS04-01S | 3                            |               |      | 21   |      | 4.1                                                  | 9.8           |
| ø6                                | M5 x 0.8                  | KQGS06-M5  | 2                            | 12            | 25.8 | 22.8 | 18.8 | 4                                                    | 12            |
|                                   | 1/8                       | KQGS06-01S | 4                            |               |      | 21.8 |      | 9.9                                                  | 12            |
|                                   | 1/4                       | KQGS06-02S |                              |               |      | 19.8 |      | 10                                                   | 20            |
| ø8                                | 1/8                       | KQGS08-01S | 5                            | 14            | 30.5 | 26.5 | 20.9 | 17.2                                                 | 17            |
|                                   | 1/4                       | KQGS08-02S | 6                            |               | 28.5 | 22.5 |      | 23.3                                                 | 18            |
|                                   | 3/8                       | KQGS08-03S |                              |               | 30.1 | 23.8 |      | 35                                                   | 35            |
| ø10                               | 1/4                       | KQGS10-02S | 8                            | 17            | 35.5 | 29.5 | 23   | 39                                                   | 28            |
|                                   | 3/8                       | KQGS10-03S |                              |               | 31   | 24.7 |      | 29                                                   | 29            |
| ø12                               | 3/8                       | KQGS12-03S | 10                           | 19            | 32.8 | 26.5 | 24.8 | 60                                                   | 30            |
|                                   | 1/2                       | KQGS12-04S |                              | 22            |      | 24.6 |      | 54                                                   | 54            |

\* Reference dimensions after installation of R thread

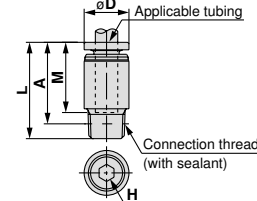
Note 1)  $\phi D$  is maximum diameter.

Note 2) Figures shown when using FEP tubing

(In case of M5)



(In case of R)



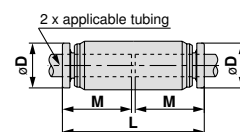
### Straight Union: KQGH



| Applicable tubing O.D. (mm) | Model     | Note 1) $\phi D$ | L    | M    | Effective area (mm <sup>2</sup> )<br>Note 2) | Weight (g) |
|-----------------------------|-----------|------------------|------|------|----------------------------------------------|------------|
| $\phi 4$                    | KQGH04-00 | 11               | 37   | 18   | 5.6                                          | 16         |
| $\phi 6$                    | KQGH06-00 | 13               | 38   | 18.5 | 13.1                                         | 22         |
| $\phi 8$                    | KQGH08-00 | 15               | 42.8 | 20.9 | 26.1                                         | 31         |
| $\phi 10$                   | KQGH10-00 | 19               | 47   | 23   | 41.5                                         | 54         |
| $\phi 12$                   | KQGH12-00 | 21               | 50.6 | 24.8 | 58.3                                         | 66         |

Note 1)  $\phi D$  is maximum diameter.

Note 2) Figures shown when using FEP tubing



### Male Elbow: KQGL



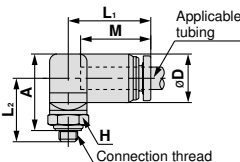
| Applicable tubing O.D. (mm) | Connection thread R | Model      | H (Width across flats) | Note 1) $\phi D$ | L <sub>1</sub> | L <sub>2</sub> | A*   | M    | Effective area (mm <sup>2</sup> )<br>Note 2) | Weight (g) |
|-----------------------------|---------------------|------------|------------------------|------------------|----------------|----------------|------|------|----------------------------------------------|------------|
| $\phi 4$                    | M5 x 0.8            | KQGL04-M5  | 10                     | 10.6             | 20.5           | 16             | 18.3 | 18   | 3.5                                          | 18         |
|                             | 1/8                 | KQGL04-01S |                        |                  |                | 19.5           | 20.8 |      | 4.2                                          | 20         |
| $\phi 6$                    | M5 x 0.8            | KQGL06-M5  | 12                     | 13               | 22.1           | 17             | 20.5 | 18.8 | 3.5                                          | 25         |
|                             | 1/8                 | KQGL06-01S |                        |                  |                | 20.5           | 23   |      | 9                                            | 26         |
|                             | 1/4                 | KQGL06-02S |                        |                  |                | 24.5           | 25   |      | 35                                           | 35         |
| $\phi 8$                    | 1/8                 | KQGL08-01S | 12                     | 15               | 24.9           | 21.9           | 25.4 | 20.9 | 21.6                                         | 37         |
|                             | 1/4                 | KQGL08-02S | 14                     |                  |                | 25.9           | 27.4 |      | 45                                           | 45         |
|                             | 3/8                 | KQGL08-03S |                        |                  |                | 27.9           | 29.1 |      | 56                                           | 56         |
| $\phi 10$                   | 1/4                 | KQGL10-02S | 17                     | 18               | 27.8           | 27.7           | 30.7 | 23   | 35.2                                         | 69         |
|                             | 3/8                 | KQGL10-03S |                        |                  |                | 29.7           | 32.4 |      | 73                                           | 73         |
| $\phi 12$                   | 3/8                 | KQGL12-03S | 22                     | 20.8             | 31.3           | 30.7           | 35.1 | 24.8 | 50.2                                         | 94         |
|                             | 1/2                 | KQGL12-04S |                        |                  |                | 34.7           | 37.2 |      | 121                                          | 121        |

\* Reference dimensions after installation of R thread

Note 1)  $\phi D$  is maximum diameter.

Note 2) Figures shown when using FEP tubing

(In case of M5)



(In case of R)

