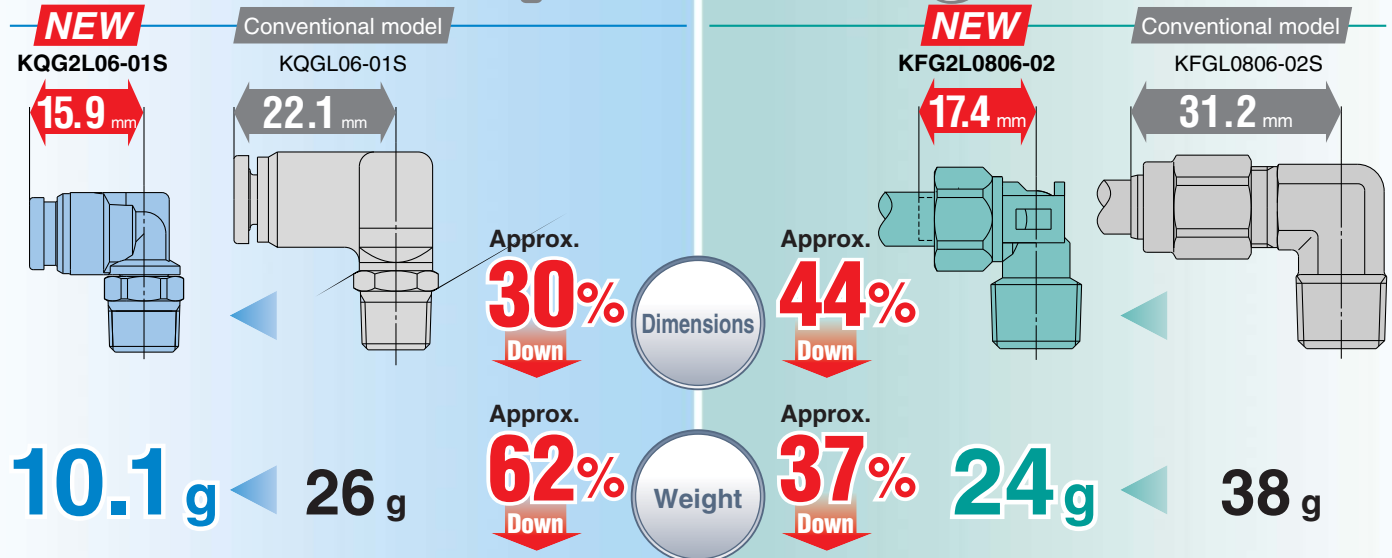


# Stainless Steel 316 Fittings New

RoHS

## Compact and Light



- More configuration variations  
**17** models ◀ 9 models
- Tube size: Ø3.2 and Ø16 have been added.

- More configuration variations  
**9** models ◀ 5 models
- Inch sizes have been added.

## One-touch Fittings

### Series KQG2



Seal parts: Special FKM

Material

**Stainless steel 316**

**-5 to 150°C**

Fluid temperature

## Insert Fittings

### Series KFG2



Rubber material is not used.  
(Except swivel elbow)

**-65 to 260°C**  
(Swivel elbow: -5 to 150°C)

**Grease-free/Can be used with steam.**

Metric size, Inch size

Applicable tube

Metric size, Inch size

M, R, Rc, UNF, NPT

Connection thread

R, Rc, NPT

Certified to meet current Food Sanitation Law standards.  
(Component materials have met apparatuses and container-packages standards.)



CAT.ES50-33A

## Dimensions

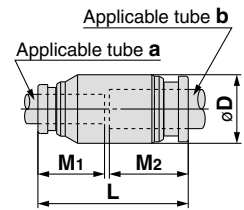
### Different Diameter Straight: KQG2H



| Applicable tube O.D. (mm) |     | Model      | Note 1)<br>øD | L    | M1   | M2   | Note 2)<br>Effective area (mm <sup>2</sup> ) | Weight (g) |
|---------------------------|-----|------------|---------------|------|------|------|----------------------------------------------|------------|
| a                         | b   |            |               |      |      |      |                                              |            |
| ø3.2                      | ø4  | KQG2H23-04 | 9             | 25.6 | 12   | 12.6 | 3.4                                          | 6.5        |
| ø4                        | ø6  | KQG2H04-06 | 12            | 27.2 | 12.6 | 13.6 | 5.6                                          | 11.6       |
| ø6                        | ø8  | KQG2H06-08 | 14            | 30.7 | 13.6 | 16.1 | 13.1                                         | 16.3       |
| ø8                        | ø10 | KQG2H08-10 | 17            | 34.1 | 16.1 | 17   | 26.1                                         | 26         |
| ø10                       | ø12 | KQG2H10-12 | 19            | 36.6 | 17   | 18.6 | 41.5                                         | 33.3       |
| ø12                       | ø16 | KQG2H12-16 | 24.6          | 40.4 | 18.6 | 20.8 | 58.3                                         | 54.7       |

Note 1) øD is maximum diameter.

Note 2) Value of FEP tube.



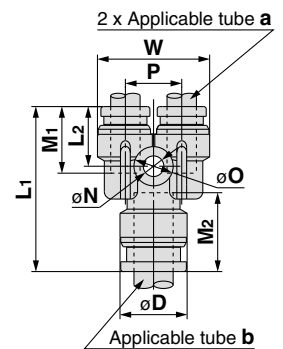
### Different Diameter Union "Y": KQG2U



| Applicable tube O.D. (mm) |     | Model      | Note 1)<br>øD | L1   | L2   | P    | W    | M1   | M2   | øN  | øO  | Note 2)<br>Effective area (mm <sup>2</sup> ) | Weight (g) |
|---------------------------|-----|------------|---------------|------|------|------|------|------|------|-----|-----|----------------------------------------------|------------|
| a                         | b   |            |               |      |      |      |      |      |      |     |     |                                              |            |
| ø3.2                      | ø4  | KQG2U23-04 | 9.1           | 27   | 10.8 | 8.1  | 16.4 | 12   | 12.6 | 3.2 | 5.6 | 3.2                                          | 8.5        |
| ø4                        | ø6  | KQG2U04-06 | 11.4          | 29.3 | 11.2 | 9.1  | 18.2 | 12.6 | 13.6 | 3.2 | 5.6 | 4.2                                          | 11.9       |
| ø6                        | ø8  | KQG2U06-08 | 13.7          | 33.7 | 12.2 | 11.5 | 22.9 | 13.6 | 16.1 | 4.2 | 8   | 13.4                                         | 19.3       |
| ø8                        | ø10 | KQG2U08-10 | 16.6          | 38.3 | 13.8 | 14.6 | 28.3 | 16.1 | 17   | 4.2 | 8   | 25.6                                         | 31.6       |
| ø10                       | ø12 | KQG2U10-12 | 18.7          | 43   | 14   | 17.6 | 34.2 | 17   | 18.6 | 4.2 | 8   | 40                                           | 47.6       |
| ø12                       | ø16 | KQG2U12-16 | 24.6          | 47.4 | 15.6 | 19.8 | 38.5 | 18.6 | 20.8 | 4.2 | 8   | 57.4                                         | 67.6       |

Note 1) øD is maximum diameter.

Note 2) Value of FEP tube.



### Bulkhead Connector: KQG2E



| Applicable tube O.D. (mm) | Connection thread Rc | Model      | T (M)   | Width across flat |    | L1   | L2   | Mounting hole | M    | Note)<br>Effective area (mm <sup>2</sup> ) | Weight (g) |
|---------------------------|----------------------|------------|---------|-------------------|----|------|------|---------------|------|--------------------------------------------|------------|
|                           |                      |            |         | H1                | H2 |      |      |               |      |                                            |            |
| ø3.2                      | 1/4                  | KQG2E23-02 | M10 x 1 | 17                | 12 | 31   | 14.8 | 11            | 12   | 3.4                                        | 26.1       |
| ø4                        | 1/8                  | KQG2E04-01 | M10 x 1 | 14                | 12 | 25.8 | 9.7  | 11            | 12.6 | 5.6                                        | 16         |
|                           | 1/4                  | KQG2E04-02 |         | 17                | 12 | 30.9 | 14.8 |               |      |                                            | 25.6       |
| ø6                        | 1/8                  | KQG2E06-01 | M14 x 1 | 17                | 17 | 24.2 | 7    | 15            | 13.6 | 13.1                                       | 24.4       |
|                           | 1/4                  | KQG2E06-02 |         |                   |    | 30.9 | 13.7 |               |      |                                            | 30.9       |
|                           | 3/8                  | KQG2E06-03 |         |                   |    | 32.1 | 14.9 |               |      |                                            | 32         |
| ø8                        | 1/8                  | KQG2E08-01 | M15 x 1 | 17                | 19 | 26.3 | 8.1  | 16            | 16.1 | 26.1                                       | 28         |
|                           | 1/4                  | KQG2E08-02 |         |                   |    | 31.3 | 13.1 |               |      |                                            | 31.2       |
|                           | 3/8                  | KQG2E08-03 |         |                   |    | 32.8 | 14.6 |               |      |                                            | 32.7       |
| ø10                       | 1/4                  | KQG2E10-02 | M18 x 1 | 19                | 21 | 31.6 | 13   | 19            | 17   | 41.5                                       | 42.8       |
|                           | 3/8                  | KQG2E10-03 |         |                   |    | 33   | 14.4 |               |      |                                            | 37.5       |
| ø12                       | 3/8                  | KQG2E12-03 | M20 x 1 | 21                | 24 | 34   | 14.4 | 21            | 18.6 | 58.3                                       | 50.3       |
|                           | 1/2                  | KQG2E12-04 |         |                   |    | 39.3 | 19.7 |               |      |                                            | 60.7       |
| ø16                       | 3/8                  | KQG2E16-03 | M27 x 1 | 29                | 30 | 35.3 | 13.3 | 28            | 20.8 | 96                                         | 107.8      |
|                           | 1/2                  | KQG2E16-04 |         |                   |    | 40.6 | 18.6 |               |      |                                            | 113        |

Note) Value of FEP tube.

Value of nylon tube for ø16 only.

