# **One-touch Fittings Manifold** KM Series



Compact piping possible. Manifold piping possible. Many varieties (40 types) are available.

One-touch fittings give the most efficient operation.





#### Model

| Model  | Por               | ting              | No. of | Port B     | Р  | ort A siz | ze |
|--------|-------------------|-------------------|--------|------------|----|-----------|----|
| wodei  | Port A            | Port B            | Port A | size       | ø4 | ø6        | ø8 |
|        |                   |                   |        | ø8         | •  |           |    |
| KM11   | One-touch fitting | One-touch fitting | 6, 10  | ø10        |    | •         |    |
|        |                   |                   |        | ø12        |    |           | •  |
| KM12   | One-touch fitting | Rc female thread  | 6, 10  | Rc 1/4     | •  | •         |    |
| KWIIZ  | One todorritaing  | Tio fornaio unoda | 0, 10  | Rc 3/8     |    |           | •  |
|        |                   |                   |        | ø6         | •  |           |    |
| KM13   | One-touch fitting | One-touch fitting | 3      | ø8         | •  | •         |    |
|        |                   |                   |        | ø10        |    | •         | •  |
|        |                   |                   |        | ø6, R 1/8  | •  |           |    |
|        |                   |                   |        | ø6, R 1/4  | •  |           |    |
|        |                   |                   |        | ø6, R 3/8  | •  |           |    |
|        |                   | One-touch fitting |        | ø8, R 1/8  | •  | •         |    |
| KM14   | One-touch fitting | R male thread     | 3      | ø8, R 1/4  | •  | •         |    |
|        |                   |                   |        | ø8, R 3/8  | •  | •         |    |
|        |                   |                   |        | ø10, R 1/4 |    | •         | •  |
|        |                   |                   |        | ø10, R 3/8 |    | •         | •  |
|        |                   |                   |        | ø10, R 1/2 |    | •         | •  |
|        |                   | One-touch fitting |        | ø6         | •  |           |    |
| KM15   | One-touch fitting | Rod               | 3      | ø8         | •  | •         |    |
|        |                   |                   |        | ø10        |    | •         | •  |
| KM16   | One-touch fitting | One-touch fitting | 3      | ø4         | •  |           |    |
| 121110 | one todon numg    | 2                 | ,      | ø6         | •  | •         |    |

Applicable Tubing

| Tubing material | FEP, PFA, Nylon, Soft nylon (1), Polyurethane |
|-----------------|---|
| Tubing O.D.     | ø4, ø6, ø8, ø10, ø12                          |
|                 |   |

Note 1) Soft nylon tubing is not compatible with water.

# Made to Order (Refer to page 171 for details.)

| Specifications                |      |   |                      |                       |      |      |  |  |  |  |  |  |  |
|-------------------------------|------|---|----------------------|-----------------------|------|------|--|--|--|--|--|--|--|
| Model                         | KM11 | KM11 KM12 KM13 KM14 KM15 KM16   |                      |                       |      |      |  |  |  |  |  |  |  |
| Fluid                         |      | Air/Water (2)   |                      |                       |      |      |  |  |  |  |  |  |  |
| Operating pressure range      |      | -100 kPa to 1 MPa   |                      |                       |      |      |  |  |  |  |  |  |  |
| Proof pressure                |      | 3 MPa   |                      |                       |      |      |  |  |  |  |  |  |  |
| Ambient and fluid temperature |      |   | -5 to 60°C, Water: 0 | to 40°C (No freezing) |      |      |  |  |  |  |  |  |  |
| Thread                        | _    | JIS B 0203 (Taper thread for piping)     JIS B 0203 (Taper thread for piping)     — |                      |                       |      |      |  |  |  |  |  |  |  |
| Accessory                     | None | Hexagon socket head blank plug with seal: 1 pc.                                     | None                 | None                  | None | None |  |  |  |  |  |  |  |

Note 2) The surge pressure must be under the maximum operating pressure.

#### Principal Parts Material

| Model                  | KM11 | KM12                | KM13 | KM14  | KM15      | KM16 |  |  |  |  |  |
|------------------------|------|---------------------|------|-------|-----------|------|--|--|--|--|--|
| Body                   |      |                     | PI   | BT    |           |      |  |  |  |  |  |
| Stud                   | _    | C3604               | _    | C3604 | C3604-PBT | _    |  |  |  |  |  |
| Chuck                  |      | Stainless steel 304 |      |       |           |      |  |  |  |  |  |
| Guide                  |      | Stainless steel 304 |      |       |           |      |  |  |  |  |  |
| Collet, Release button |      | POM                 |      |       |           |      |  |  |  |  |  |
| Seal, O-ring           |      | NBR                 |      |       |           |      |  |  |  |  |  |

167

KQ2 KQB2

 $\mathsf{KM}$ KF

H/DL L/LL

KC KK

KK130

DM KDM

KB

KR KA

KQG2 KG

KFG2

MS KKA

KΡ

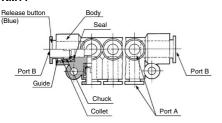
LO

MQR

# **KM** Series

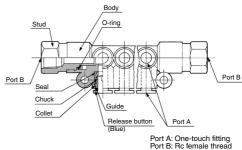
# Construction

# **KM11**

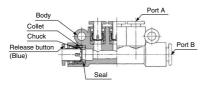


Port A: One-touch fitting Port B: One-touch fitting

# KM12

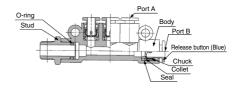


# **KM13**



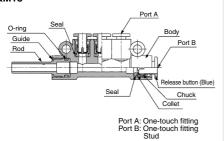
Port A: One-touch fitting Port B: One-touch fitting

# KM14

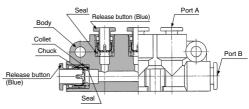


Port A: One-touch fitting Port B: One-touch fitting, R male thread

#### **KM15**



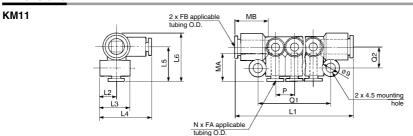
### **KM16**



Port A: One-touch fitting Port B: One-touch fitting

# One-touch Fittings Manifold **KM Series**

# **Dimensions**



| Applicable tub | oing O.D. (mm) | Model         | N  | L1  | L2   | L3   | L4   | L5   | L6   | Р    | Q1   | Q2   | МА   | МВ   | Port B<br>Min. port size | Weight (g) |
|----------------|----------------|---------------|----|-----|------|------|------|------|------|------|------|------|------|------|--------------------------|------------|
| FA             | FD             |               |    |     |      |      |      |      |      |      |      |      |      |      | Will is port orzo        | (9)        |
|                | 8              | KM11-04-08-6  | 6  | 65  | 10   | 18   | 29.5 | 19.5 | 27   | 10.6 | 40   | 12   | 16   | 18.5 | 6                        | 19         |
| 4              | •              | KM11-04-08-10 | 10 | 86  | 10   | 10   | 29.5 | 19.5 | 21   | 10.6 | 61.5 | 12   | 16   | 16.5 | 0                        | 26         |
| 6              | 10             | KM11-06-10-6  | 6  | 76  | 10   | 19.5 | 31.5 | 21.5 | 31   | 13   | 47   | 13.5 | 17   | 21   | 7.5                      | 29         |
| 0              | 10             | KM11-06-10-10 | 10 | 102 | 10   | 19.5 | 31.5 | 21.5 | 31   | 13   | 73   | 13.5 | ' '  | - 1  | 7.5                      | 39         |
|                | 12             | KM11-08-12-6  | 6  | 85  | 11.5 | 22.5 | 35.5 | 24   | 34.5 | 15.5 | 55   | 14.7 | 18.5 | 22   | _                        | 41         |
| 0              | 12             | KM11 00 10 10 | 10 | 110 | 11.5 | 22.5 | 35.5 | 24   | 34.5 | 15.5 | 0.0  | 14.7 | 10.5 | 22   | 9                        | E7         |

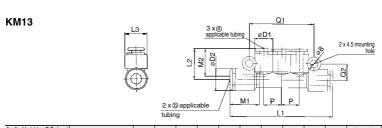
KM12

2 x T

2 x T

2 x 4.5 mounting hole tubing O.D.

| Applicable tubing O.D. F (mm) | Connection thread Rc | Model         | N  | (Width across flats) | L1  | L2   | L3   | L4   | L5   | L6   | Р    | Q1   | Q2   | М    | Port B<br>Min. port size | Weight (g) |
|-------------------------------|----------------------|---------------|----|----------------------|-----|------|------|------|------|------|------|------|------|------|--------------------------|------------|
| 4                             | 1/4                  | KM12-04-02-6  | 6  | 17                   | 89  | 10   | 18   | 29.5 | 19.5 | 00   | 10.6 | 40   | 12   | 16   | 6                        | 65         |
| 4                             | 74                   | KM12-04-02-10 | 10 | ] '' [               | 110 | 10   | 10   | 29.5 | 19.5 | 29   | 10.6 | 61.5 | 12   | 10   | О                        | 72         |
| c                             | 1/4                  | KM12-06-02-6  | 6  | 17                   | 99  | 10   | 10 5 | 31.5 | 21 5 | 91   | 13   | 47   | 13.5 | 17   | 7.5                      | 81         |
| 0                             | 74                   | KM12-06-02-10 | 10 | ''                   | 125 | 10   | 19.5 | 31.3 | 21.5 | 31   | 13   | 73   | 13.3 | 17   | 7.5                      | 91         |
| 8                             | 3/8                  | KM12-08-03-6  | 6  | 19                   | 108 | 11 5 | 22 E | 35.5 | 24   | 34.5 | 15.5 | 55   | 14.7 | 18.5 | 9                        | 97         |
|                               | 98                   | KM12-08-03-10 | 10 | 19                   | 139 | 11.5 | 22.5 | 33.3 | 24   | 34.5 | 15.5 | 86   | 14.7 | 16.5 | 9                        | 112        |



| Applicable tub | ing O.D. (mm) | Model        | ø <b>D</b> 1 | ø <b>D2</b> | L1   | L2   | L3   | Р    | Q1   | Q2   | M1   | M2   | Port B<br>Min. port size | Weight<br>(g) |
|----------------|---------------|--------------|--------------|-------------|------|------|------|------|------|------|------|------|--------------------------|---------------|
| 4              | 6             | KM13-04-06-3 | 10.4         | 12.8        | 60   | 18   | 13   | 10.4 | 38.2 | 9.9  | 17   | 16   | 4.5                      | 11            |
| •              | 8             | KM13-04-08-3 | 10.4         | 15.2        | 63.5 | 19   | 15.5 | 10.4 | 36.2 | 11.1 | 18.5 | 10   | 6                        | 14            |
| 6              | 8             | KM13-06-08-3 | 12.8         | 15.2        | 70.5 | 20   | 15.5 | 12.8 | 45.4 | 11.1 | 18.5 | 17   | 6                        | 16            |
| 0              | 10            | KM13-06-10-3 | 12.6         | 18.5        | 74.5 | 21   | 19   | 12.0 | 45.4 | 12.8 | 21   | 17   | 7.5                      | 22            |
| 8              | 10            | KM13-08-10-3 | 15.2         | 18.5        | 81.5 | 22.5 | 19   | 15.2 | 52.6 | 12.8 | 21   | 18.5 | 7.5                      | 26            |

Click here for applicable color caps.

**SMC** 

KQ2 KQB2

 $\mathsf{KM}$ 

M H/DL L/LL KC

KK130 DM KDM

KB

KR

KA KQG2 KG KFG2

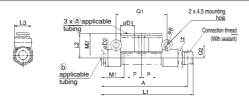
KKA

KP LQ MQR

# KM Series

#### **Dimensions**

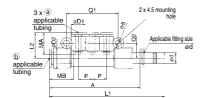
# **KM14**



| Applicable tub | oing O.D. (mm) | Connection<br>thread<br>R | Model            | H<br>(Width across flats) | ø <b>D1</b> | ø <b>D2</b> | L1   | L2   | L3   | Р    | A    | Q1   | Q2   | M1   | M2   | Port B<br>Min. port size | Weight (g)       |
|----------------|----------------|---------------------------|------------------|---------------------------|-------------|-------------|------|------|------|------|------|------|------|------|------|--------------------------|------------------|
|                |                | 1/8                       | KM14-04-06-01S-3 | 13                        |             |             | 67.1 |      |      |      | 64   |      |      |      |      |                          | 18               |
| 4              | 6              | 1/4                       | KM14-04-06-02S-3 | 14                        | 10.4        | 12.8        | 71   | 18   | 13   | 10.4 | 65.5 | 38.2 | 9.9  | 17   | 16   | 4.5                      | 25               |
|                |                | 3/8                       | KM14-04-06-03S-3 | 17                        |             |             | 72.4 |      |      |      | 67.5 |      |      |      |      |                          | 38               |
|                |                | 1/8                       | KM14-04-08-01S-3 |                           |             |             | 72.6 |      |      |      | 69.5 |      |      |      |      |                          | 30               |
| 4              | 8              | 1/4                       | KM14-04-08-02S-3 | 17                        | 10.4        | 15.2        | 76   | 19   | 15.5 | 10.4 | 70.5 | 38.2 | 11.1 | 18.5 | 16   | 6                        |                  |
|                |                | 3/8                       | KM14-04-08-03S-3 |                           |             |             | 76.4 |      |      |      | 71   |      |      |      |      |                          | 38               |
|                |                | 1/8                       | KM14-06-08-01S-3 |                           |             |             | 79.1 |      |      |      | 76.5 |      |      |      |      |                          | 31               |
| 6              | 8              | 1/4                       | KM14-06-08-02S-3 | 17                        | 12.8        | 15.2        | 82.5 | 20   | 15.5 | 12.8 | 77   | 45.4 | 11.1 | 18.5 | 17   | 6                        | 31               |
|                |                | 3/8                       | KM14-06-08-03S-3 |                           |             |             | 82.9 |      |      |      | 78   |      |      |      |      |                          | 39               |
|                |                | 1/4                       | KM14-06-10-02S-3 | 19                        |             |             | 87   |      |      |      | 81.5 |      |      |      |      |                          | 43               |
| 6              | 10             | 3/8                       | KM14-06-10-03S-3 | 19                        | 12.8        | 18.5        | 87.4 | 21   | 19   | 12.8 | 82   | 45.4 | 12.8 | 21   | 17   | 7.5                      | 44               |
|                |                | 1/2                       | KM14-06-10-04S-3 | 22                        |             |             | 91.1 |      |      |      | 84   |      |      |      |      |                          | 66               |
|                |                | 1/4                       | KM14-08-10-02S-3 | 19                        |             |             | 93.5 |      |      |      | 88   |      |      |      |      |                          | 47               |
| 8              | 10             | 3/8                       | KM14-08-10-03S-3 | 19                        | 15.2        | 18.5        | 93.9 | 22.5 | 19   | 15.2 | 89   | 52.6 | 12.8 | 21   | 18.5 | 7.5                      | L <sup>4</sup> / |
|                |                | 1/2                       | KM14-08-10-04S-3 | 22                        |             |             | 97.6 |      |      |      | 90.5 |      |      |      |      |                          | 70               |

#### **KM15**

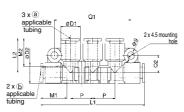




| O.D. | ing<br>(mm) | fitting size | Model        | ø <b>D1</b> | ø <b>D2</b> | L1   | L2   | L3   | Р    | Q1   | Q2   | A    | МА   | МВ   | Port B<br>min.<br>port size | Weight (g) |
|------|-------------|--------------|--------------|-------------|-------------|------|------|------|------|------|------|------|------|------|-----------------------------|------------|
| (a)  | (b)         | ød           |              |             |             |      |      |      |      |      |      |      |      |      | port size                   |            |
| 4    | 6           | 6            | KM15-04-06-3 | 10.4        | 12.8        | 78.5 | 18   | 13   | 10.4 | 38.2 | 9.9  | 61.5 | 16   | 17   | 4.5                         | 12         |
| *    | 8           | 8            | KM15-04-08-3 | 10.4        | 15.2        | 85.5 | 19   | 15.5 | 10.4 | 30.2 | 11.1 | 67   | 10   | 18.5 | 6                           | 24         |
| 6    | 8           | 8            | KM15-06-08-3 | 12.8        | 15.2        | 92.5 | 20   | 15.5 | 12.8 | 45.4 | 11.1 | 74   | 17   | 18.5 | 6                           | 25         |
| 0    | 10          | 10           | KM15-06-10-3 | 12.0        | 18.5        | 98   | 21   | 19   | 12.0 | 45.4 | 12.8 | 77   | 17   | 21   | 7.5                         | 37         |
| 8    | 10          | 10           | KM15-08-10-3 | 15.2        | 18.5        | 105  | 22.5 | 19   | 15.2 | 52.6 | 12.8 | 85   | 18.5 | 21   | 7.5                         | 41         |

# KM16





|   | Applicable tub | ing O.D. (mm) | Mandal       |      | øD2  |    |      | ١ ا | ١  | Р    |    | Q2   |       |      | Port B         | Weight |
|---|----------------|---------------|--------------|------|------|----|------|-----|----|------|----|------|-------|------|----------------|--------|
| ĺ | (a)            | (b)           | Model        | ØDI  | ØD2  | LI | L2   | L3  | L4 | Р    | Qı | Q2   | IVI I | IVI2 | Min. port size | (g)    |
| ĺ | 4              | 4             | KM16-04-04-3 |      |      |    |      |     |    |      |    |      | 16    | 16   | 3              | 18     |
| ĺ | 4              | 6             | KM16-04-06-3 | 12.8 | 12.8 | 68 | 20.9 | 16  | 11 | 14.5 | 50 | 10.5 | 17    | 16   | 4.5            | 16     |
| ĺ | 6              | 6             | KM16-06-06-3 |      |      |    |      |     |    |      |    |      | 17    | 17   | 4.5            | 15     |
|   |                |               |              |      |      |    |      |     |    |      |    |      |       |      |                |        |

Click here for applicable color caps.

# **Handling of One-touch Fittings**

# **⚠** Caution

- Refer to pages 13 to 17 for "Fittings & Tubing Precautions" for the details of installation/ removal of One-touch fittings.
- 2. Connecting products with metal rods Products with metal rods cannot be connected to KQ2 series One-touch fittings. If connected, the metal rod cannot be retained by the chuck of the One-touch fitting and products with metal rods may project during pressurization, causing serious personal injury or accident.

When mounting tubes, resin plugs, reducers etc., do not press the release button. Also, do not press the release button unnecessarily before mounting them. This may cause those parts to come off.

After attaching products with attached metal rods, to the One-touch fitting, do not use tubes, resin plugs, or reducers, etc. This may cause releasing.

For details about One-touch fittings that can connect KM15 model, contact SMC.

# KM Series

# Made to Order Specifications Please contact SMC for detailed dimensions, specifications and lead times.



# 1 Grease-free Specifications

| Symbol | Specifications   |
|--------|--|
| X17    | Grease-free<br>Rubber material: NBR (With fluorine coating)<br>Release button color: Light blue  |
| X29    | Grease-free Rubber material: NBR (With fluorine coating) Release button color: Light blue Copper-free (With electroless nickel plated) |
| X94    | Grease-free Rubber material: FKM (With fluorine coating) Release button color: Light blue  |

Suffix "-X17" to the end of part number. Example) KM11-04-08-10-X17

# 2 Other Specifications

| Symbol | Specifications                               |
|--------|--|
| X2     | Copper-free (With electroless nickel plated) |
| X12    | Lubricant: White Vaseline                    |
| AIZ    | Release button color: White                  |
| X34    | Rubber material: FKM                         |

Suffix "-X2" to the end of part number. Example) **KM12-04-02-6-X2**  KQ2

KQB2

KX KM

KF

M

H/DL L/LL

KC

KK

KK130

DM KDM

KB

KR

KA

KQG2 KG

KFG2

MS

KKA KP

LQ

MQR

# Inch size One-touch Fittings Manifold **KM Series**

**Applicable Tubing: Inch size** 

Compact piping possible. Manifold piping possible. Many varieties (12 types) are available. One-touch fittings give the most efficient operation.



#### Model

| ſ | Model   | Por               | ting              | No. of | Port B  | Р      | ort A siz   | :e |
|---|---------|-------------------|-------------------|--------|---------|--------|-------------|----|
|   | iviouei | Port A            | Port B            | Port A | size    | ø5/32" | Port A size |    |
|   |         |                   |                   |        | ø5/16'  | •      |             |    |
|   | KM11    | One-touch fitting | One-touch fitting | 6, 10  | ø3/8"   |        | •           |    |
|   |         |                   |                   |        | ø 1/2"  |        |             | •  |
|   | KM12    | One-touch fitting | NPT thread        | 6, 10  | NPT 1/4 | •      | •           |    |
|   | KWIIZ   | One-touch litting | INFT tilleau      | 0, 10  | NPT 3/8 |        |             | •  |

#### Applicable Tubing

| Tubing material | FEP, PFA, Nylon, Soft nylon (1), Polyurethane |
|-----------------|---|
| Tubing O.D.     | ø5/32", ø1/4", ø5/16", ø3/8", ø1/2"           |

Note 1) Soft nylon tubing is not compatible with water.

# **Specifications**

| Model                         | KM11                                       | KM12                                   |  |  |  |  |  |
|-------------------------------|--|--|--|--|--|--|--|
| Fluid                         | Air/W                                      | ater (2)                               |  |  |  |  |  |
| Maximum operating pressure    | 1 N  | 1 MPa                                  |  |  |  |  |  |
| Proof pressure                | 3 MPa                                      |  |  |  |  |  |  |
| Ambient and fluid temperature | −5 to 60°C, Water: 0 to 40°C (No freezing) |  |  |  |  |  |  |
| Thread                        | _  | ANSI/ASMEB1.20.<br>1-1983 (NPT thread) |  |  |  |  |  |

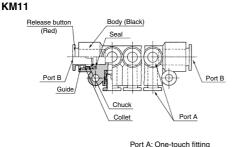
Note 2) The surge pressure must be under the maximum operating pressure.



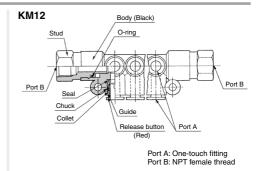
# **Principal Parts Material**

| Model                  | KM11           | KM12                       |  |  |  |  |
|------------------------|----------------|----------------------------|--|--|--|--|
| Body                   | PI             | BT                         |  |  |  |  |
| Stud                   | _              | C3604                      |  |  |  |  |
| Chuck                  | Stainless      | Stainless steel 304        |  |  |  |  |
| Guide                  | Stainless stee | Stainless steel 304, C3604 |  |  |  |  |
| Collet, Release button | PC             | POM                        |  |  |  |  |
| Seal, O-ring           | NI             | 3R                         |  |  |  |  |

# Construction

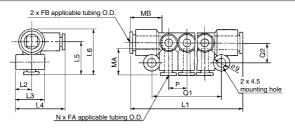


Port A: One-touch fitting Port B: One-touch fitting



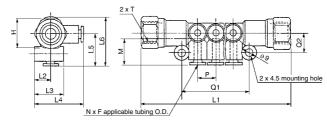
# **Dimensions**

# KM11



| Applicable tub | ing O.D. (inch) | Model         | N  | 1.1  | L2     | L3      | L4   | L5   | L6   | Р    | Q1   | Q2   | МА   | MD  | Port B         | Weight |    |
|----------------|-----------------|---------------|----|------|--------|---------|------|------|------|------|------|------|------|---|----------------|--------|----|
| FA             | FB              | iviodei       | IN | LI   | LZ     | Lo      | L4   | LO   | LO   | F    | 3    | Q2   | IVIA | IVID                                      | Min. port size | (g)    |    |
| 5/32           | 5/16            | KM11-03-09-6  | 6  | 65   | 10     | 18      | 29.5 | 19.5 | 27   | 10.6 | 40   | 12   | 16   | 10 E                                      |                | 19     |    |
| 9/32           | 9/16            | KM11-03-09-10 | 10 | 86   | 10     | 10      | 29.5 | 19.5 | 21   | 10.6 | 61.5 | 12   | 16   | MB Min. port size (g 18.5 6 1: 21 7 3i 44 | 26             |        |    |
| 1/4            | 3/8             | KM11-07-11-6  | 6  | 77.8 | 10     | 10.5    | 01.5 | 21.5 | 20 E | 10.0 | 48   | 13   | 17   | 01  | 7              | 30     |    |
| 1/4            | 9/8             | KM11-07-11-10 | 10 | 104  | 10     | 19.5    | 31.5 | 21.5 | 30.5 | 13.2 | 73.5 | 13   | 17   | 21  | /              | 40     |    |
| E/             | 1/              | KM11-09-13-6  | 6  | 85   | 12.7 2 | 10.7 00 | 23.7 | 37.7 | 25   | 35.9 | 15.0 | 52.8 | 15   | 18.5                                      | 22             | 0.5    | 41 |
| 5/16           | 1/2             | KM11-09-13-10 | 10 | 115  | 12.7   | 23.7    | 37.7 | 23   | 33.9 | 15.2 | 83   | 15   | 10.5 | 22  | 9.5            | 57     |    |

# **KM12**



| Applicable tubing O.D. F (inch) | T<br>Connection<br>thread<br>NPT | Model         | N  | H<br>(Width across flats) | L1  | L2   | L3   | L4   | L5   | L6    | Р    | Q1   | Q2 | М    | Port B<br>Min. port size | Weight (g) |    |
|---------------------------------|----------------------------------|---------------|----|---------------------------|-----|------|------|------|------|-------|------|------|----|------|--------------------------|------------|----|
| 5/32                            | 1/4                              | KM12-03-35-6  | 6  | 17.46                     | 87  | 87   | 10   | 18   | 20 5 | 19.5  | 29   | 10.6 | 40 | 12   | 16                       | 6          | 65 |
| 9/32                            | 1/4                              | KM12-03-35-10 | 10 | 17.46                     | 110 | 10   | 10   | 29.5 | 19.5 | 29    | 10.6 | 61.5 | 12 | 16   | 6 7                      | 72         |    |
| 1/                              | 1/4                              | KM12-07-35-6  | 6  | 17.46                     | 95  | 10   | 10 5 | 31.5 | 21 5 | 21.25 | 122  | 48   | 13 | 17   | 7                        | 82         |    |
| 1/4                             | 1/4 KM12-07-35-1                 | KM12-07-35-10 | 10 | 17.46                     | 121 | 10   | 19.5 | 31.5 | 21.5 | 31.25 | 13.2 | 73.5 | 13 | ''   | '                        | 92         |    |
| E/                              | 9/                               | KM12-09-36-6  | 6  | 00.00                     | 102 | 12.7 | 23.7 | 37.7 | 25   | 37.5  | 15.2 | 52.8 | 15 | 18.5 | 9.5                      | 97         |    |
| 5/16                            | 3/8                              | KM12-09-36-10 | 10 | 22.22                     | 132 | 12.7 | 23.7 | 31.1 | 25   | 37.5  | 13.2 | 83   | 15 | 10.5 | 9.5                      | 112        |    |

Click here for applicable color caps.

# Handling of One-touch Fittings

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Refer to pages 13 to 17 for "Fittings & Tubing Precautions" for the details of installation/removal of One-touch fittings.

KQ2

KQB2

KM

KF

M H/DL L/LL

KC

KK

KK130

DM KDM

KB

KR KA

KQG2 KG

KFG2

KKA

KP LQ

MQR

T

# KM Series Made to Order Specifications



Please contact SMC for detailed dimensions, specifications and lead times.

# 1 Grease-free Specifications

| Symbol | Specifications   |
|--------|--|
| X17    | Grease-free Rubber material: NBR (With fluorine coating) Release button color: Light blue  |
| X29    | Grease-free Rubber material: NBR (With fluorine coating) Release button color: Light blue Copper-free (With electroless nickel plated) |
| X94    | Grease-free<br>Rubber material: FKM (With fluorine coating)<br>Release button color: Light blue  |

Suffix "-X17" to the end of part number.

Example) KM11-03-09-10-X17

# 2 Other Specifications

| Symbol  | Specifications   |  |  |  |  |  |  |
|---|--|--|--|--|--|--|--|
| X2 Copper-free (With electroless nickel plated) |  |  |  |  |  |  |  |
| X12   | Lubricant: White Vaseline<br>Release button color: White |  |  |  |  |  |  |
| X34   | Rubber material: FKM                                     |  |  |  |  |  |  |

Suffix "-X2" to the end of part number. Exampe) **KM12-03-35-6-X2**